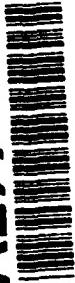


(3)

AD-A277 105



# RDT&E Programs (R-1)



94-08395 76P2

Department of Defense Budget  
For Fiscal Year 1995

February 1994

94 3 14 101

## Preface

**The R.D.T. & E. Programs (R-1) exhibit is derived from and consistent with the DoD Future Years Defense Program R.D.T. & E Annex data base.**

**The R-1 is provided annually to the DoD oversight committees of the Congress coincident with the transmittal by the President of the Budget of the United States Government. It is accompanied by an automated data base submission to the House Committee on Administration for input to the House Information System. An unclassified version of the document is provided to OASD(PA) for use by non-DoD activities.**

**Office of the Comptroller of the Department of Defense**

Accession For	NTIS	CRA&I	DTIC	TAB	Unannounced	Justification	By	Dist	Availability Codes	Avail and/or Special
	A							A-1		

**UNCLASSIFIED**

**TABLE OF CONTENTS**

**DOD Component Summary**

<b><u>Army</u></b>	Army Summary
	Army R-1 Detail

<b><u>Navy</u></b>	Navy Summary
	Navy R-1 Detail

<b><u>Air Force</u></b>	Air Force Summary
	Air Force R-1 Detail

**Defense Agencies**

Defense Agency Summary	D-I & D-II
Defense Agency R-1 Detail	D-1 through D-7
Director, Test and Evaluation Summary	D-8
Director, Test and Evaluation R-1 Detail	D-9
Director, Operational Test and Evaluation Summary	D-10
Director, Operational Test and Evaluation R-1 Detail	D-11
Individual Defense Agency R-1 Detail	D-12 through D-29

**UNCLASSIFIED**

**PAGE**

**II & III**

**A-I**  
**A-1 through A-10**

**N-I**  
**N-1 through N-11**

**F-I**  
**F-1 through F-12**

**D-I & D-II**  
**D-1 through D-7**  
**D-8**  
**D-9**  
**D-10**  
**D-11**  
**D-12 through D-29**

**UNCLASSIFIED**

**Department of Defense  
FY 1995 R D T & E Program**

**Exhibit R-1**

**Date: FEB 1994**

**Summary**

	Thousands of Dollars		
	FY 1993	FY 1994	FY 1995
<b>Summary By Appropriation</b>			
Research Development Test & Eval Army	6,057,072	5,421,346	5,260,082
Research Development Test & Eval Navy	8,867,441	8,301,286	8,934,718
Research Development Test & Eval AF	12,866,924	12,258,662	12,349,362
Research Development Test & Eval DoDwide	9,764,877	8,710,050	9,416,855
Director of Test & Eval Defense	259,021	231,757	251,495
Director of Operational Test & Evaluation	12,333	11,450	12,501
Total Research, Development, Test & Evaluation	37,827,598	34,934,551	36,225,013

## UNCLASSIFIED

**Department of Defense**  
**FY 1995 R D T & E Program**

Exhibit R-1

**Summary**

Date: FEB 1994

Thousands of Dollars

	FY 1993	FY 1994	FY 1995
<b>Summary Recap of Budget Activities</b>			
<b>Basic Research</b>	1,314,079	1,204,983	1,225,199
<b>Exploratory Development</b>	3,549,022	2,743,331	2,983,717
<b>Advanced Development</b>	6,282,318	6,155,127	5,117,395
<b>Demonstration and Validation</b>	4,211,722	2,697,665	3,770,649
<b>Engineering and Manufacturing Development</b>	8,486,601	7,441,099	8,916,042
<b>RD&amp;E Management Support</b>	3,397,818	3,217,934	3,342,746
<b>Operational Systems Development</b>	10,586,038	11,474,412	10,869,265
<b>Total Research, Development, Test &amp; Evaluation</b>	37,827,598	34,934,551	36,225,013
<b>Summary Recap of FYDP Programs</b>			
<b>Strategic Forces</b>	358,767	288,855	319,768
<b>General Purpose Forces</b>	2,689,413	3,723,102	3,975,323
<b>Intelligence and Communications</b>	7,034,838	6,820,286	6,140,561
<b>Airlift/Sealift</b>	12,198	22,459	5,160
<b>Research and Development (FYDP Program 6)</b>	27,211,345	23,458,356	25,506,979
<b>Central Supply and Maintenance</b>	265,963	330,567	51,068
<b>Training Medical and Other</b>	100	1,915	1,526
<b>Administration and Assoc Activities</b>	15,955	5,775	5,655
<b>Support of Other Nations</b>	3,522	1,909	3,436
<b>Special Operations Forces</b>	235,497	281,327	215,537
			Page III

UNCLASSIFIED

**UNCLASSIFIED**

**Department of the Army  
FY 1995 R D T & E Program**

**Exhibit R-1**

**Date: FEB 1994**

**Summary**

	<b>Thousands of Dollars</b>		
	<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>Summary Recap of Budget Activities</b>			
Basic Research	215,128	207,254	214,113
Exploratory Development	734,905	631,606	562,735
Advanced Development	864,758	524,748	515,853
Demonstration and Validation	646,668	544,104	408,978
Engineering and Manufacturing Development	1,820,272	1,711,383	1,733,643
RDT&E Management Support	1,364,642	1,150,197	1,172,823
Operational Systems Development	410,699	652,054	651,937
Total Research Development Test & Eval Army	6,057,072	5,421,346	5,260,082

**Summary Recap of FYDP Programs**

<b>Strategic Forces</b>	<sup>1</sup>		
General Purpose Forces	205,732	399,711	475,063
Intelligence and Communications	148,475	168,228	121,175
Research and Development (FYDP Program 6)	5,660,399	4,810,206	4,663,843
Central Supply and Maintenance	32,881	43,200	
Administration and Assoc Activities	9,584		
Total Research Development Test & Eval Army	6,057,072	5,421,346	5,260,082

UNCLASSIFIED

**Department of the Army  
FY 1995 R D T & E Program**

Exhibit R-1

Appropriation: 2040 A Research Development Test &amp; Eval Army

Date: FEB 1994

Program Line Element No Number	Item	Act	Thousands of Dollars		
			FY 1993	FY 1994	FY 1995 C
1 0601101A	In-House Laboratory Independent Research	1	11,506	10,947	13,717 U
2 0601102A	Defense Research Sciences	1	199,936	190,600	195,346 U
3 0601104A	Electromechanics and Hypervelocity Physics	1	3,686	5,707	5,050 U
			215,128	207,254	214,113
	<b>Basic Research</b>				
4 0602104A	TRACTOR ROSE	2	3,374	5,713	7,591 U
5 0602105A	Materials Technology	2	17,696	17,274	11,083 U
6 0602120A	Electronic Survivability and Fuzing Technology	2	27,303	34,708	26,036 U
7 0602122A	TRACTOR HIP	2	23,195	13,906	11,502 U
8 0602123A	TRACTOR FIELD	2	3,863		U
9 0602211A	Aviation Technology	2	45,217	35,107	19,993 U
10 0602270A	EW Technology	2	19,030	20,921	18,256 U
11 0602303A	Missile Technology	2	38,709	23,255	23,301 U
12 0602307A	Laser Weapons Technology	2	53	4,509	U
13 0602308A	Modeling and Simulation	2	4,715	10,000	51,517 U
14 0602601A	Combat Vehicle and Automotive Technology	2	57,717	39,444	28,330 U
15 0602618A	Ballistics Technology	2	60,534	29,510	25,692 U
16 0602622A	Chemical, Smoke and Equipment Defeating Technology	2	44,973	39,537	29,657 U
17 0602623A	Joint Service Small Arms Program	2	4,643	3,393	5,326 U
18 0602624A	Weapons and Munitions Technology	2	36,386	35,665	28,163 U

Page A-1

UNCLASSIFIED

UNCLASSIFIED

**Department of the Army  
FY 1995 RDT & E Program**

**Appropriation: 2040 A Research Development Test & Eval Army**

Exhibit R-1

Date: FEB 1994

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995	S
		---	---	---	---	---
19 0602705A	Electronics and Electronic Devices	2	21,499	24,886	21,222	U
20 0602709A	Night Vision Technology	2	33,444	18,917	19,406	U
21 0602716A	Human Factors Engineering Technology	2	10,594	15,144	14,393	U
22 0602720A	Environmental Quality Technology	2	62,731	54,123	25,887	U
23 0602727A	Non-System Training Device Technology	2	7,836	4,407	4,407	U
24 0602782A	Command, Control, Communications Technology	2	18,074	10,321	16,900	U
25 0602783A	Computer and Software Technology	2	3,520	5,736	4,635	U
26 0602784A	Military Engineering Technology	2	40,543	41,377	41,201	U
27 0602785A	Manpower/Personnel/Training Technology	2	15,310	13,319	10,484	U
28 0602786A	Logistics Technology	2	36,537	31,417	31,825	U
29 0602787A	Medical Technology	2	92,721	94,761	87,529	U
30 0602788A	TRACTOR FLOP	2	1,577	1,560	418	U
31 0602789A	ARMY Artificial Intelligence Technology	2	3,111	2,696	2,388	U
		734,905	631,606	562,735		
32 0602813A	Exploratory Development TRACTOR DUMP	3	15,922		U	
33 0603001A	Logistics Advanced Technology	3	19,080	12,897	14,386	U
34 0603002A	Medical Advanced Technology	3	248,360	115,000	41,028	U
35 0603003A	Aviation Advanced Technology	3	40,259	41,406	51,350	U
36 0603004A	Weapons and Munitions Advanced Technology	3	59,061	27,269	25,562	U

Page A-2

UNCLASSIFIED

## UNCLASSIFIED

Department of the Army  
FY 1995 RDT & E Program

Exhibit R-1

Appropriation: 2040 A Research Development Test &amp; Eval Army

Date: FEB 1994

Program	Line Element No	Item	Act	FY 1993	FY 1994	FY 1995	Thousands of Dollars
37	0603005A	Combat Vehicle and Automotive Advanced Technology	3	41,194	39,044	59,414	U
38	0603006A	Command, Control, Communications Advanced Technology	3	11,047	8,028	17,179	U
39	0603007A	Manpower, Personnel and Training Advanced Technology	3	15,939	8,064	5,698	U
40	0603009A	TRACTOR HIKE	3	6,338	4,346	5,399	U
41	0603012A	TRACTOR HOLE	3	20,406	11,644	7,813	U
42	0603013A	TRACTOR DIRT	3	5,128	1,886	1,665	U
43	0603017A	TRACTOR RED	3	3,574	15,619	10,167	U
44	0603020A	TRACTOR ROSE	3		6,671	3,240	U
45	0603102A	Materials and Structures Advanced Technology	3	6,224			U
46	0603105A	Acquired Immune Deficiency Syndrome (AIDS) Research	3	53,656	33,410	3,185	U
47	0603122A	TRACTOR HIP	3			4,600	U
48	0603238A	Global Surveillance/Air Defense/Precision Strike Technology Demonstration	3	37,308	20,875	41,834	U
49	0603270A	EW Technology	3	40,162	32,553	6,967	U
50	0603313A	Missile and Rocket Advanced Technology	3	19,962	46,438	94,602	U
51	0603322A	TRACTOR CAGE	3	23,065	10,353	17,497	U
52	0603606A	Landmine Warfare and Barrier Advanced Technology	3	18,004	9,982	11,950	U
53	0603607A	Joint Service Small Arms Program	3	5,444	7,522	5,746	U
54	0603654A	Line-Of-Sight, Anti-tank (LOSAT)	3	111,860	5,000	4,937	U
55	0603710A	Night Vision Advanced Technology	3	29,959	34,762	33,612	U
56	0603734A	Military Engineering Advanced Technology	3	3,210	2,910	12,829	U

## UNCLASSIFIED

Department of the Army  
FY 1995 R D T & E Program  
Appropriation: 2040 A Research Development Test & Eval Army

Exhibit R-1

Date: FEB 1994

Program Line Element No Number	Item	Act	Thousands of Dollars		
			FY 1993	FY 1994	FY 1995 C
57 0603742A	Advanced Electronic Devices Development	3	5,632		U
58 0603759A	Chemical Biological Defense and Smoke Advanced Technology	3	4,298	2,631	198 U
59 0603772A	Advanced Tactical Computer Science and Technology	3	19,666	26,438	34,995 U
					-----
			864,758	524,748	515,853
60 0603018A	TRACTOR TREAD	4	11,505	12,000	20,752 U
61 0603019A	TRACTOR DUMP	4	4,027	18,941	15,786 U
62 0603053A	Advanced Command and Control Vehicle	4	20,338		U
63 0603303A	Surface-to-Surface Missile Rocket System	4	1,900		U
64 0603392A	Anti-Satellite Weapon (ASAT)	4	18,862		U
65 0603604A	Nuclear Munitions - Adv Dev	4	2,869	2,003	U
66 0603617A	Non-Line of Sight (N-LOS)	4	99	25,000	U
67 0603619A	Landmine Warfare and Barrier - Adv Dev	4	9,953	21,609	23,944 U
68 0603627A	Smoke, Obscurant and Target Defeating Sys-Adv Dev	4	14,837	6,039	2,821 U
69 0603639A	Armament Enhancement Initiative	4			U
70 0603640A	Artillery Propellant Development	4	16,087	30,533	8,137 U
71 0603645A	Armored System Modernization - Adv Dev	4	313,360	147,876	175,476 U
72 0603647A	TRACTOR DIRT	4		265	416 U
73 0603649A	Engineer Mobility Equipment Advanced Development	4	14,463	29,433	11,339 U
74 0603653A	Advanced Tank Armament System (ATAS)	4			10,075 U

UNCLASSIFIED

Page A-4

UNCLASSIFIED

Department of the Army  
FY 1995 RDT & E Program

FY 1995

Appropriation: 2040 A Research Development Test & Eval Army

Exhibit R-1

Exhibit R-1

Section 1001

Program Line Element No	Program Element Number	Item	Thousands of Dollars		
			Act	FY 1993	FY 1994
75	0603713A	Army Data Distribution System	4	12,667	19,647
76	0603730A	Tactical Surveillance System - Adv Dev	4	12,300	15,371
77	0603745A	Tactical Electronic Support Systems - Adv Dev	4	2,931	4,363
78	0603746A	Single Channel Ground and Airborne Radio System (SINCgars) Adv Dev	4	4,918	2,500
79	0603747A	Soldier Support and Survivability	4	15,982	13,176
80	0603760A	Distributive Interactive Simulation - Adv Dev	4		11,787
81	0603766A	Tactical Electronic Surveillance System - Adv Dev	4	13,989	15,295
82	0603774A	Night Vision Systems Advanced Development	4	7,421	4,768
83	0603801A	Aviation - Adv Dev	4	16,264	15,716
84	0603802A	Weapons and Munitions - Adv Dev	4		763
85	0603804A	Logistics and Engineer Equipment - Adv Dev	4	12,817	15,926
86	0603805A	Combat Service Support Computer System Evaluation and Analysis	4	20,041	24,118
87	0603806A	NBC Defense System-Adv Dev	4	28,425	40,903
88	0603807A	Medical Systems - Adv Dev	4	25,296	21,628
89	0603811A	Meteorological Data Systems	4	4,045	U
90	0603831A	Classified Program	4		U
91	0102830A	Classified Program	4		U
		Demonstration and Validation		646,668	544,104
	0604201A	Aircraft Avionics			16,461
					408,978
					14,433 U
					5

LAW SETTLED

Page 4 - 5

## UNCLASSIFIED

Department of the Army  
FY 1995 RDT & E Program

Exhibit R-1

Appropriation: 2040 A Research Development Test &amp; Eval Army

Date: FEB 1994

Program Line Element No Number	Item	Act	FY 1993	FY 1994	Thousands of Dollars
					S
93 0604220A	Armed, Deployable OH-58D	5	9,988		U
94 0604223A	Comanche	5	394,233	366,728	525,182 U
95 0604270A	EW Development	5	94,897	83,825	89,122 U
96 0604315A	Tri-Service Standoff Attack Missile	5		43,182	82,458 U
97 0604321A	All Source Analysis System	5	51,355	4,471	42,891 U
98 0604603A	Nuclear Munitions - Eng Dev	5	1,237		U
99 0604604A	Medium Tactical Vehicles	5	3,519	6,548	6,541 U
100 0604609A	Smoke, Obscurant and Target Defeating Sys-Eng Dev	5	14,072	17,096	3,754 U
101 0604611A	JAVELIN	5	96,028	47,437	31,337 U
102 0604619A	Landmine Warfare	5	22,812	21,186	33,843 U
103 0604622A	Heavy Tactical Vehicles	5	1,206	2,475	U
104 0604630A	Advanced Tank Canon	5	24,821		U
105 0604633A	Air Traffic Control	5	1,753	5,600	7,873 U
106 0604640A	Advanced Command and Control Vehicle (AC2V)	5		10,654	32,159 U
107 0604642A	Light Tactical Wheeled Vehicles	5			3,479 U
108 0604645A	Armored Systems Modernization (ASM)-Eng. Dev.	5	71,847	89,504	51,057 U
109 0604649A	Engineer Mobility Equipment Development	5	2,111	16,404	16,865 U
110 0604710A	Night Vision Systems - Eng Dev	5	20,296	41,361	43,379 U
111 0604713A	Combat Feeding, Clothing, and Equipment	5	23,721	28,389	25,058 U
112 0604715A	Non-System Training Devices - Eng Dev	5	39,678	57,188	48,329 U

UNCLASSIFIED

Page A-6

UNCLASSIFIED

**Department of the Army  
FY 1995 RDT & E Program**

Exhibit R-1

Appropriation: 2040 A Research Development Test &amp; Eval Army

Date: FEB 1994

Program Line Element No Number	Item	Act	Thousands of Dollars		
			FY 1993	FY 1994	FY 1995 C
113 0604716A	Terrain Information - Eng Dev	5	13,478	9,523	10,547 U
114 0604726A	Integrated Meteorological Support System	5	4,303	949	U
115 0604740A	Tactical Surveillance System - Eng Dev	5	18,897	38,734	2,121 U
116 0604741A	Air Defense Command, Control and Intelligence - Eng Dev	5	38,258	15,410	26,494 U
117 0604746A	Automatic Test Equipment Development	5	16,481	23,453	7,201 U
118 0604760A	Distributive Interactive Simulation - Eng	5			8,041 U
119 0604766A	Tactical Electronic Surveillance System - Eng Dev	5	32,194	52,279	28,475 U
120 0604767A	TRACTOR JEWEL	5	90,749		U
121 0604768A	TRACTOR BAT	5	114,548	119,727	109,011 U
122 0604770A	Joint Surveillance/Target Attack Radar System	5	62,471	25,955	40,186 U
123 0604778A	Positioning Systems Development	5	5,313	4,888	3,846 U
124 0604780A	Combined Arms Tactical Trainer (CATT)	5		52,921	52,160 U
125 0604801A	Aviation - Eng Dev	5	12,928	8,569	4,672 U
126 0604802A	Weapons and Munitions - Eng Dev	5	5,272	20,346	9,130 U
127 0604804A	Logistics and Engineer Equipment - Eng Dev	5	18,692	25,519	21,171 U
128 0604805A	Command, Control, Communications Systems - Eng Dev	5	7,741	8,906	11,386 U
129 0604806A	NBC Defense System-Eng Dev	5	38,295	42,839	13,474 U
130 0604807A	Medical Materiel/Medical Biological Defense Equipment - Eng Dev	5	14,059	19,569	12,799 U
131 0604808A	Landmine Warfare/Barrier - Eng Dev	5	3,824	2,957	7,794 U
132 0604814A	Sensor and Destroy Armament Missile - Eng Dev	5	97,755	28,500	72,071 U

Page A-7

UNCLASSIFIED

UNCLASSIFIED

**Department of the Army  
FY 1995 RDT&E Program**

Exhibit R-1

Appropriation: 2040 A Research Development Test &amp; Eval Army

Date: FEB 1994

Program Line Element No Number	Item	Thousands of Dollars			
		Act	FY 1993	FY 1994	FY 1995 C
133 0604816A	LONGBOW - Eng Dev	5	290,859	277,754	191,303 U
134 0604817A	Non-Cooperative Target Recognition - Eng Dev	5	23,518	34,150	13,666 U
135 0604818A	Army Tactical Command & Control Systems (ATCCS) Eng Dev	5	19,450	21,992	19,296 U
136 0604820A	Radar Development	5	17,613	17,934	10,999 U
Engineering and Manufacturing Development		1,820,272	1,711,383	1,733,643	
137 0604256A	Threat Simulator Development	6	22,707	18,210	20,270 U
138 0604258A	Target Systems Development	6	9,841	18,930	14,092 U
139 0604759A	Major T&E Investment	6	24,686	28,856	55,536 U
140 0605103A	Rand Arroyo Center	6	19,111	15,492	15,838 U
141 0605104A	Los Alamos Meson Physics Facility	6		15,000	U
142 0605301A	Army Kwajalein Atoll	6	181,458	169,872	167,697 U
143 0605502A	Small Business Innovative Research	6	76,974		U
144 0605601A	Army Test Ranges and Facilities	6	157,847	145,232	154,420 U
145 0605602A	Army Technical Test Instrumentation and Targets	6	65,254	25,508	41,895 U
146 0605604A	Survivability/Lethality Analysis	6	37,842	32,995	37,757 U
147 0605605A	DOD High Energy Laser Test Facility	6	26,346	24,808	U
148 0605702A	Meteorological Support to RDT&E Activities	6	18,060	17,947	12,434 U
149 0605706A	Material Systems Analysis	6	22,080	19,475	19,011 U
150 0605709A	Exploitation of Foreign Items	6	18,535	18,774	12,027 U

Page A-8

UNCLASSIFIED

UNCLASSIFIED

**Department of the Army  
FY 1995 R D T & E Program**

Exhibit R-1

Appropriation: 2040 A Research Development Test &amp; Eval Army

Date: FEB 1994

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995 C	Thousands of Dollars
151 0605710A	JTCB POC, Test/Assess, Smoke Assess, NBC Serv	6	9,711	7,395	4,779	U
152 0605712A	Support of Operational Testing	6	61,435	52,164	31,917	U
153 0605801A	Programwide Activities	6	92,124	92,830	103,262	U
154 0605802A	International Cooperative Research and Development	6	1,815	1,861	1,638	U
155 0605803A	Technical Information Activities	6	22,977	11,944	13,304	U
156 0605805A	Munitions Standardization, Effectiveness and Safety	6	15,836	23,975	7,038	U
157 0605810A	RDT&E Support for Nondevelopmental Items	6	6,132	5,874	3,524	U
158 0605856A	Environmental Compliance	6	36,044	46,708	49,907	U
159 0605872A	Productivity Investments	6	10,573			U
160 0605876A	Minor Construction (RPM) - RDT&E	6	7,151	1,871	5,745	U
161 0605878A	Maintenance and Repair (RPM) - RDT&E	6	76,580	61,374	91,970	U
162 0605889A	RDT&E Support to CINC Counter narcotics Activities	6	500			U
163 0605896A	Base Operations - RDT&E	6	312,601	269,161	297,083	U
164 0605898A	Management Headquarters (Research and Development	6	20,838	23,941	11,679	U
165 0909999A	Financing for Cancelled Account Adjustments	6	9,584			U
	RDT&E Management Support		1,364,642	1,150,197	1,172,823	
166 0603778A	MLRS Product Improvement Program	7	23,611	40,915	55,699	U
167 0203726A	Adv Field Artillery Tactical Data System	7	40,285	45,860	48,725	U
168 0203735A	Combat Vehicle Improvement Programs	7	38,571	114,946	111,279	U

UNCLASSIFIED

## UNCLASSIFIED

**Department of the Army  
FY 1995 R D T & E Program**

Exhibit R-1

Date: FEB 1994

## Appropriation: 2040 A Research Development Test &amp; Eval Army

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995	C
		Thousands of Dollars				S
169 0203740A	Maneuver Control System	7	26,890	29,093	37,936	U
170 0203744A	Aircraft Modifications/Product Improvement Programs	7	6,405	13,710	9,564	U
171 0203752A	Aircraft Engine Component Improvement Program	7	6,303	6,559	3,035	U
172 0203758A	Digitization	7	20,000	75,857	75,857	U
173 0203801A	Missile/Air Defense Product Improvement Program	7	65,374	65,230	24,610	U
174 0203802A	Other Missile Product Improvement Programs	7	6,469	68,438	74,380	U
175 0203806A	TRACTOR RIG	7	1,663	8,314	2,686	U
176 0203808A	TRACTOR CARD	7	6,612	11,115	14,554	U
177 0208010A	Joint Tactical Communications Program (TRI-TAC)	7	7,160	16,446	19,542	U
178 0208051A	Joint Biological Defense Program	7	7	52,895	52,895	U
179 0301359A	Special Army Program	7	7	7	7,689	U
180 0303140A	Information Systems Security Program	7	6,103	7,091	7,091	U
181 0303142A	SATCOM Ground Environment	7	112,094	136,077	95,191	U
182 0303152A	World-Wide Military Command and Control Systems, Information System	7	10,125	8,647	8,647	U
183 0305127A	Foreign Counterintelligence Activities	7	7	7,760	11,429	U
184 0305150A	Airborne Reconnaissance Low	7	9,262	9,262	9,262	U
185 0305889A	Counterdrug Intelligence Support	7	32,881	43,200	43,200	U
186 0708045A	End Item Industrial Preparedness Activities	7	410,699	652,054	651,937	U
Operational Systems Development						
Total Research Development Test & Eval Army		6,057,072	5,421,346	5,260,082		

Page A-10

UNCLASSIFIED

**UNCLASSIFIED**

**Department of the Navy  
FY 1995 R D T & E Program**

**Summary**

**Exhibit R-1**

**Date: FEB 1994**

	<b>Thousands of Dollars</b>		
	<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>Summary Recap of Budget Activities</b>			
Basic Research	425.581	412.720	435.083
Exploratory Development	578.046	462.688	517.257
Advanced Development	439.683	416.989	420.538
Demonstration and Validation	1,938.278	1,722.042	1,569.252
Engineering and Manufacturing Development	2,214.755	1,712.802	2,335.460
RDT&E Management Support	785.111	756.200	691.150
Operational Systems Development	2,485.987	2,817.845	2,965.978
Total Research Development Test & Eval Navy	8,867.441	8,301.286	8,934.718
<b>Summary Recap of FYDP Programs</b>			
Strategic Forces	210.659	114.006	159.063
General Purpose Forces	1,556.858	2,047.120	2,157.941
Intelligence and Communications	618.304	516.090	628.810
Research and Development (FYDP Program 6)	6,381.454	5,483.441	5,968.740
Central Supply and Maintenance	99.485	140.629	20,164
Administration and Assoc Activities	681	-	-
Total Research Development Test & Eval Navy	8,867.441	8,301.286	8,934.718

**Page N-1**

**UNCLASSIFIED**

UNCLASSIFIED

**Department of the Navy  
FY1995 RDT&E Program**

Exhibit R-1

Navy Evaluation Test Segment Development Research N 1319 Letter Report

卷之三

Page 1

UNCLASSIFIED

UNCLASSIFIED

**Department of the Navy  
FY 1995 R D T & E Program**

Exhibit R-1

Appropriation: 1319 N Research Development Test &amp; Eval Navy

Date: FEB 1994

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995 C S
					Thousands of Dollars
18 0603238N	Precision Strike and Air Defense	3	9,351	29,607	32,961 U
19 0603270N	Advanced Electronic Warfare Technology	3	24,842	12,829	14,799 U
20 0603508N	Ship Propulsion System	3	3,897	3,394	3,152 U
21 0603555N	Sea Control and Littoral Warfare Technology Demonstration	3	61,153	60,609	82,134 U
22 0603572N	Navy Reinvestment Program	3			15,000 U
23 0603640M	Marine Corps Advanced Technology Demonstration (ATD)	3	23,464	24,909	25,961 U
24 0603706N	Medical Development	3	45,652	54,771	17,820 U
25 0603707N	Manpower, Personnel and Training Adv Tech Dev	3	17,409	17,250	19,120 U
26 0603712N	Environmental Quality and Logistics Advanced Technology	3	29,812	15,532	21,024 U
27 0603747N	Undersea Warfare Advanced Technology	3	74,848	62,220	47,330 U
28 0603782N	Shallow Water MCM Demos	3	9,792	10,984	4,525 U
29 0603792N	Advanced Technology Transition	3	86,494	85,627	79,863 U
30 0603794N	C3 Advanced Technology	3	24,221	2,711	26,556 U
					439,683 416,989 420,538
31 0603207N	Air/Ocean Tactical Applications	4	16,309	16,043	16,936 U
32 0603208N	Training System Aircraft	4	49,165	32,145	4,117 U
33 0603216N	Aviation Survivability	4	32,055	21,029	9,992 U
34 0603254N	ASW Systems Development	4	39,835	34,347	31,513 U
35 0603261N	Tactical Airborne Reconnaissance	4	16,311	32,540	59,372 U

Page N-2

UNCLASSIFIED

**UNCLASSIFIED**

**Department of the Navy  
FY 1995 R D T & E Program**

**Exhibit R-1**

**Appropriation: 1319 N Research Development Test & Eval Navy**

**Date: FEB 1994**

<b>Program</b>	<b>Line Element No</b>	<b>Item</b>	<b>Act</b>	<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>	<b>Thousands of Dollars</b>
36	0603382N	Advanced Combat Systems Technology	4	-----	-----	3,587 U	S
37	0603451N	Tactical Space Operations	4	-----	-----	2,220 U	E
38	0603502N	Surface and Shallow Water Mine Countermeasures	4	41,801	44,741	51,879 U	S
39	0603504N	Advanced Submarine Combat Systems Development	4	32,142	22,608	20,564 U	S
40	0603506N	Surface Ship Torpedo Defense	4	27,089	33,910	30,247 U	S
41	0603512N	Carrier Systems Development	4	20,667	11,061	15,878 U	S
42	0603513N	Shipboard System Component Development	4	31,514	27,506	26,248 U	S
43	0603514N	Ship Combat Survivability	4	22,599	17,121	14,588 U	S
44	0603525N	PILOT FISH	4	34,947	26,290	35,262 U	S
45	0603528N	Non-Acoustic Anti-Submarine Warfare (ASW)	4	-----	-----	4,756 U	S
46	0603536N	RETRACT JUNIPER	4	60,861	32,195	20,645 U	S
47	0603542N	Radio logical Control	4	3,599	3,254	3,492 U	S
48	0603553N	Surface ASW	4	46,551	-----	6,659 U	S
49	0603561N	Advanced Submarine System Development	4	128,092	140,424	86,005 U	S
50	0603562N	Submarine Tactical Warfare Systems	4	10,959	6,314	8,023 U	S
51	0603563N	Ship Concept Advanced Design	4	8,122	13,853	29,302 U	S
52	0603564N	Ship Preliminary Design & Feasibility Studies	4	12,941	58,047	12,626 U	S
53	0603570N	Advanced Nuclear Power Systems	4	92,126	136,537	141,586 U	S
54	0603573N	Advanced Surface Machinery Systems	4	73,598	81,954	72,355 U	S
55	0603576N	CHALK EAGLE	4	82,704	69,465	59,840 U	S

**Page N-3**

**UNCLASSIFIED**

## UNCLASSIFIED

Department of the Navy  
FY 1995 R D T & E Program

Appropriation: 1319 N Research Development Test & Eval Navy

Exhibit R-1

Date: FEB 1994

Program	Line Element Number	Item	Thousands of Dollars			
			Act	FY 1993	FY 1994	FY 1995 C
56	0603582N	Combat System Integration	4	9,625	6,237	7,911 U
57	0603591N	Joint Advanced Systems	4	145,576		U
58	0603601N	Mine Development	4	1		U
59	0603609N	Conventional Munitions	4	61,389	38,801	41,358 U
60	0603610N	Advanced Warhead Development (MK-50)	4	8,825	15,821	U
61	0603611M	Marine Corps Assault Vehicles	4	52,771	19,822	26,399 U
62	0603612M	Marine Corps Mine/Countermeasures Systems - Adv Dev	4		2,561	6,600 U
63	0603634N	Electromagnetic Effects Protection Development	4	7,548	5,047	U
64	0603635M	Marine Corps Ground Combat/Support System	4	22,308	21,238	11,416 U
65	0603654N	Joint Service Explosive Ordnance Development	4	9,108	8,981	8,923 U
66	0603708N	ASW Signal Processing	4	3,315		U
67	0603709N	Advanced Marine Biological System	4	4,505	3,387	3,539 U
68	0603711N	Fleet Tactical Development	4	5,388	4,414	4,678 U
69	0603713N	Ocean Engineering Technology Development	4	15,888	11,611	14,198 U
70	0603721N	Environmental Protection	4	35,430	52,853	51,101 U
71	0603724N	Navy Energy Program	4	5,123	4,281	4,468 U
72	0603725N	Facilities Improvement	4	1,533	1,368	2,500 U
73	0603734N	CHALK CORAL	4	62,715	71,162	68,782 U
74	0603735N	WMMCS Architecture Support	4		1,602	U
75	0603737N	LINK HAZEL	4	24,347		U

UNCLASSIFIED

Page N-4

UNCLASSIFIED

**Department of the Navy  
FY 1995 R D T & E Program**

Exhibit R-1

Appropriation: 1319 N Research Development Test &amp; Eval Navy

Date: FEB 1994

Program	Line Element No	Item Number	Item	Act	FY 1993	FY 1994	FY 1995	Thousands of Dollars
76	0603741N	Satellite Laser Communications (H)		4	15,000			U
77	0603746N	RETRACT MAPLE		4	143,079	105,145	102,674	U
78	0603748N	LINK PLUMERIA		4	15,521	39,613	29,812	U
79	0603750N	CHALK WEED		4	2,601			U
80	0603751N	RETRACT ELM		4	105,779	57,149	39,472	U
81	0603752N	CHALK POINSETTIA		4	5,619			U
82	0603755N	Ship Self Defense		4	216,360	285,799	192,269	U
83	0603763N	Warfare Systems Architecture and Engineering		4	7,908	3,297	7,204	U
84	0603785N	Combat Systems Oceanographic Performance Assessment		4	25,701	19,594	20,317	U
85	0603787N	Special Processes		4	32,237	29,114	33,053	U
86	0603795N	Gun Weapon System Technology		4	7,489	23,700	24,849	U
87	0603800N	Joint Strike Advanced Technology Program		4	29,663	100,037	U	
		Demonstration and Validation			1,938,278	1,722,042	1,569,252	
88	0604212N	ASW and Other Heli Development		5	94,192	80,716	86,547	U
89	0604214N	AV-8B Aircraft - Eng Dev		5	11,735	18,179	10,203	U
90	0604215N	Standards Development		5	11,554	13,366	15,987	U
91	0604217N	S-3 Weapon System Improvement		5	1,094	4,087	14,115	U
92	0604218N	Air/Ocean Equipment Engineering		5	6,088	4,917	5,797	U
93	0604221N	P-3 Modernization Program		5	13,025	4,952	5,392	U

Page N-5

UNCLASSIFIED

## UNCLASSIFIED

Department of the Navy  
FY 1995 RDT&E Program

Exhibit R-1

Appropriation: 1319 N Research Development Test &amp; Eval Navy

Date: FEB 1994

Program	Line Element	Item	Act	FY 1993	FY 1994	FY 1995 C
<b>Thousands of Dollars</b>						
94 0604231N	Tactical Command System	5	25,558	29,829	35,796	U
95 0604233N	AFX	5	88,984			
96 0604261N	Acoustic Search Sensors	5	31,074	30,839	19,016	U
97 0604262N	V-22A	5	714,556	9,793	496,930	U
98 0604264N	Air Crew Systems Development	5	20,689	14,512	12,157	U
99 0604270N	EW Development	5	136,971	96,948	79,980	U
100 0604301N	MK 92 Fire Control System Upgrade	5	1,831	1,051	1,976	U
101 0604307N	AEGIS Combat System Engineering	5	110,564	102,632	94,207	U
102 0604312N	Tri-Service Standoff Attack Missile	5		74,584	66,662	U
103 0604366N	Standard Missile Improvements	5	50,115	62,272	11,811	U
104 0604372N	New Threat Upgrade	5	4,342	4,610	1,701	U
105 0604373N	Airborne MCM	5	30,380	32,369	20,421	U
106 0604503N	SSN-688 and Trident Modernization	5	70,307	53,610	41,936	U
107 0604504N	Air Control	5	12,054	9,809	8,133	U
108 0604507N	Enhanced Modular Signal Processor	5	14,528	13,173	11,970	U
109 0604512N	Shipboard Aviation Systems	5		1,388	1,543	U
110 0604516N	Ship Survivability	5	10,896	10,177	8,536	U
111 0604518N	Combat Information Center Conversion	5	17,742	11,359	13,658	U
112 0604524N	Submarine Combat System	5	52,474	84,547	89,726	U
113 0604558N	New Design SSN	5		236,458	266,155	U

Page N-6

UNCLASSIFIED

UNCLASSIFIED

**Department of the Navy  
FY 1995 RDT & E Program**

Appropriation: 1319 N Research Development Test &amp; Eval Navy

Exhibit R-1

Date: FEB 1994

Line Element No	Program Number	Item	Thousands of Dollars			
			Act	FY 1993	FY 1994	FY 1995
114	0604561N	SSN-21 Developments	5	91,100	73,742	68,530 U
115	0604562N	Submarine Tactical Warfare System	5	61,738	33,681	25,261 U
116	0604567N	Ship Contract Design/ Live Fire T&E	5	36,081	41,527	160,092 U
117	0604574N	Navy Tactical Computer Resources	5	32,095	17,167	15,774 U
118	0604601N	Mine Development	5	8,043	5,581	3,223 U
119	0604602N	Naval Gunnery Improvements	5	5,015		U
120	0604603N	Unguided Conventional Air-Launched Weapons	5	11,663	29,514	77,102 U
121	0604610N	Lightweight Torpedo Development	5		8,899	10,284 U
122	0604612M	Marine Corps Mine Countermeasures Systems - Eng Dev	5	3,499	2,204	440 U
123	0604618N	Joint Direct Attack Munition	5	23,197	9,893	25,173 U
124	0604654N	Joint Service Explosive Ordnance Development	5	5,737	6,196	6,273 U
125	0604656M	Marine Corps Assault Vehicles - Eng Dev	5	13,996		U
126	0604703N	Personnel, Training, Simulation, and Human Factor	5	1,087	1,057	1,136 U
127	0604707N	pace and Electronic Warfare (SEW) Architecture/ Engineering Support	5	3,625	2,000	6,157 U
128	0604710N	Navy Energy Program	5	3,857	3,101	3,165 U
129	0604715N	Surface Warfare Training Devices	5	4,733		U
130	0604719M	Marine Corps Command/Control/Communications Systems	5	11,586	24,963	11,371 U
131	0604721N	Battle Group Passive Horizon Extension System	5	10,710	24,035	19,258 U
132	0604727N	Joint Standoff Weapon Systems	5	63,344	81,855	111,127 U
133	0604755N	Ship Self Defense	5	60,649	136,071	181,501 U

Page N-7

UNCLASSIFIED

## UNCLASSIFIED

Department of the Navy  
FY 1995 RDT & E Program

Appropriation: 1319 N Research Development Test & Eval Navy

Exhibit R-1

Date: FEB 1994

Program Line Element No Number	Item	Act ---	FY 1993 ---	FY 1994 ---	FY 1995 S C
Thousands of Dollars					
134 0604761N	Intelligence Engineering	5	3,252	341	4,033 U
135 0604771N	Medical Developments	5	3,915	3,985	1,686 U
136 0604777N	Navigation/ID System	5	66,737	77,047	69,213 U
137 0604784N	Distributed Surveillance System	5	158,343	123,766	114,306 U
-----					
Engineering and Manufacturing Development					
138 0604256N	Threat Simulator Development	6	29,031	29,435	28,003 U
139 0604258N	Target Systems Development	6	37,615	29,560	28,042 U
140 0604759N	Major T&E Investment	6	36,281	51,862	51,966 U
141 0605152N	Studies and Analysis Support - Navy	6	3,387	3,651	6,058 U
142 0605154N	Center for Naval Analyses	6	43,171	43,260	45,394 U
143 0605155N	Fleet Tactical Development	6	3,337	4,346	4,570 U
144 0605502N	Small Business Innovative Research	6	81,244	78,045	U
145 0605804N	Technical Information Services	6	14,260	14,113	1,776 U
146 0605853N	Management, Technical & International Support	6	10,263	7,787	10,266 U
147 0605856N	Strategic Technical Support	6	4,132	3,602	2,545 U
148 0605861N	RDT&E Science and Technology Management	6	62,809	60,748	62,646 U
149 0605862N	RDT&E Instrumentation Modernization	6	20,194	39,342	8,757 U
150 0605863N	RDT&E Ship and Aircraft Support	6	95,326	74,724	81,362 U
151 0605864N	Test and Evaluation Support	6	308,556	279,715	293,609 U

Page N-8

UNCLASSIFIED

## UNCLASSIFIED

Department of the Navy  
FY 1995 R D T & E ProgramExhibit R-1  
Appropriation: 1319 N Research Development Test & Eval Navy

Date: FEB 1994

Program Line Element No	Item Number	Item	Act	FY 1993	FY 1994	FY 1995	Thousands of Dollars
152	0605865N	Operational Test and Evaluation Capability	6	8,732	8,190	8,637	U
153	0605866N	Navy Space and Electronic Warfare (SEW) Support	6	5,994	4,006	3,519	U
154	0605867N	SEW Surveillance/Reconnaissance Support	6	10,508	11,528	14,565	U
155	0605871M	Marine Corps Tactical Exploitation of National Capabilities	6	1,179	4,241	1,019	U
156	0605872N	Productivity Investments	6	396			U
157	0605873M	Marine Corps Program Wide Support	6	8,696	8,045	6,316	U
158	0605896N	Base Operations - RDT&E	6			32,100	U
		RDT&E Management Support		785,111	756,200	691,150	
159	0101221N	Strategic Sub & Weapons System Support	7	74,866	30,522	52,361	U
160	0101224N	SSBN Security Technology Program	7	76,549	35,888	29,315	U
161	0101226N	Submarine Acoustic Warfare Development	7	38,828	16,529	537	U
162	0101402N	Navy Strategic Communications	7	19,553	30,368	75,992	U
163	0102427N	Naval Space Surveillance	7	863	699	858	U
164	0204134N	A-6 Squadrons	7	7,599			U
165	0204136N	F/A-18 Squadrons	7	895,441	1,454,087	1,411,875	U
166	0204152N	E-2 Squadrons	7	6,352	18,01	58,760	U
167	0204163N	Fleet Telecommunications (Tactical)	7	41,836	33,292	37,942	U
168	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	7	30,604	46,763	85,773	U
169	0204311N	Integrated Surveillance System	7	89,515	73,253	28,805	U

UNCLASSIFIED

Page N-9

## UNCLASSIFIED

**Department of the Navy  
FY 1995 R D T & E Program**

Appropriation: 1319 N Research Development Test &amp; Eval Navy

Exhibit R-1

Date: FEB 1994

Program Line Element No Number	Item	Act	Thousands of Dollars		
			FY 1993	FY 1994	FY 1995 C
170 0204413N	Amphibious Tactical Support Units	7	3.707	2.729	4.574 U
171 0204571N	Consolidated Training Systems Development	7	33.304	38.114	46.779 U
172 0205604N	Tactical Data Links	7	59.507	38.995	32.499 U
173 0205620N	Surface ASW Combat System Integration	7	16.914	22.872	16.649 U
174 0205632N	MK-48 ADCAP	7	28.042	26.669	27.278 U
175 0205633N	Aviation Improvements	7	78.648	73.202	64.520 U
176 0205658N	Navy Science Assistance Program	7	7.464	6.593	7.097 U
177 0205667N	F-14 Upgrade	7	120.060	70.904	171.689 U
178 0205675N	Operational Nuclear Power Systems	7	59.274	57.736	58.851 U
179 0206313M	Marine Corps Communications Systems	7	3.630	8.540	7.408 U
180 0206622M	Marine Corps Ground Combat/Supporting Arms System	7	32.278	18.298	13.051 U
181 0206624M	Marine Corps Combat Services Support	7	1.012	248	6.173 U
182 0206625M	Marine Corps Intelligence/Electronics Warfare Systems	7	24.466	21.179	8.488 U
183 0206626M	Marine Corps Command/Control/Communications Systems	7	14.556	35.565	19.441 U
184 0207161N	Tactical AIM Missiles	7			22.376 U
185 0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	2.649		27.913 U
186 0301327N	Technical Reconnaissance and Surveillance	7			U
187 0303109N	Satellite Communications	7	54.343	53.914	47.115 U
188 0303140N	Information Systems Security Program	7			U
189 0303152N	World-Wide Military Command and Control Systems. Information System	7	3.687		U

UNCLASSIFIED

Page N-10

UNCLASSIFIED

**Appropriation:** 1319 N Research Development Test & Eval Navy  
**Department of the Navy**  
**FY 1995 RDT & E Program**

Exhibit B-1

EXHIBIT K-1

TABLES

Program Line Element No. Number	Item	Thousands of Dollars			
		Act ---	FY 1993 ---	FY 1994 ---	FY 1995 c ---
190 0304111N	Special Activities	7			U
191 0305160N	Defense Meteorological Satellite Program (DMSP)	7	16,347	11,371	14,639 U
192 0305889N	Counterdrug Intelligence Support	7	2,500		U
193 0708011N	Industrial Preparedness	7	99,485	140,629	20,164 U
194 0809999N	Financing for Canceled Account Adjustments	7	681		U
	Operational Systems Development		2,485,987	2,817,845	2,965,978
	Total Research Development Test & Eval Navy		8,867,441	8,301,286	8,934,718

Page N-1

UNCI ASSISTED

**UNCLASSIFIED**

**Department of the Air Force  
FY 1995 R D T & E Program**

**Exhibit R-1**

**Date: FEB 1994**

**Summary**

	<b>Thousands of Dollars</b>		
	<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>Summary Recap of Budget Activities</b>			
<b>Basic Research</b>			
Exploratory Development	234,826	239,956	235,805
Advanced Development	616,959	610,854	686,016
Demonstration and Validation	693,759	480,116	485,281
Engineering and Manufacturing Development	387,577	235,014	433,984
RDT&E Management Support	4,365,225	3,951,855	4,544,775
Operational Systems Development	838,913	817,811	814,707
Total Research Development Test & Eval AF	5,729,665	5,923,056	5,148,794
	12,866,924	12,258,662	12,349,362
<b>Summary Recap of FYDP Programs</b>			
<b>Strategic Forces</b>			
General Purpose Forces	148,107	174,848	160,704
Intelligence and Communications	899,494	1,247,098	1,304,890
Airlift/Sealift	4,528,760	4,344,164	3,516,660
Research and Development (FYDP Program 6)	12,198	22,459	5,160
Central Supply and Maintenance	7,137,259	6,335,606	7,320,427
Training Medical and Other	131,794	124,888	30,904
Administration and Assoc Activities	100	1,915	1,526
Support of Other Nations	5,690	5,775	5,655
	3,522	1,909	3,436
Total Research Development Test & Eval AF	12,866,924	12,258,662	12,349,362

**UNCLASSIFIED**

**Page F-1**

UNCLASSIFIED

**Department of the Air Force  
FY 1995 R D T & E Program**

Exhibit R-1

Appropriation: 3600 F Research Development Test &amp; Eval AF

Date: FEB 1994

Program Line Element No Number	Item	Act	Thousands of Dollars		
			FY 1993	FY 1994	FY 1995 C
1 0601101F	In-House Laboratory Independent Research	1	1,980	5,126	U
2 0601102F	Defense Research Sciences	1	232,846	234,830	235,805 U
<hr/>					
<b>Basic Research</b>					
3 0602101F	Geophysics	2	36,981	34,089	U
4 0602102F	Materials	2	70,767	70,908	70,049 U
5 0602201F	Aerospace Flight Dynamics	2	67,387	59,405	64,046 U
6 0602202F	Human Systems Technology	2	58,769	48,302	52,518 U
7 0602203F	Aerospace Propulsion	2	68,660	75,085	77,506 U
8 0602204F	Aerospace Avionics	2	70,935	66,091	74,673 U
9 0602205F	Personnel, Training and Simulation	2	31,165	27,425	29,848 U
10 0602206F	Civil Engineering and Environmental Quality	2	11,641	6,153	7,045 U
11 0602269F	Hypersonic Flight Technology	2			45,000 U
12 0602302F	Rocket Propulsion and Astronautics Technology	2	36,012	50,852	U
13 0602601F	Advanced Weapons	2	47,617	47,254	125,202 U
14 0602602F	Conventional Munitions	2	36,079	34,858	44,685 U
15 0602702F	Command Control and Communications	2	80,946	90,432	95,444 U
<hr/>					
<b>Exploratory Development</b>					
16 0603106F	Logistics Systems Technology	3	15,614	14,238	18,200 U
17 0603112F	Advanced Materials for Weapon Systems	3	16,679	22,698	19,900 U

Page F-1

UNCLASSIFIED

## UNCLASSIFIED

Department of the Air Force  
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test &amp; Eval AF

Date: FEB 1994

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995	C S
						Thousands of Dollars
18 0603202F	Aerospace Propulsion Subsystems Integration	3	26,279	27,848	29,941	U
19 0603203F	Advanced Avionics for Aerospace Vehicles	3	40,146	25,531	34,500	U
20 0603205F	Aerospace Vehicle Technology	3	15,273	13,041	14,339	U
21 0603211F	Aerospace Structures	3	15,907	12,571	12,300	U
22 0603216F	Aerospace Propulsion and Power Technology	3	37,148	36,410	40,662	U
23 0603227F	Personnel, Training and Simulation Technology	3	8,968	8,769	9,241	U
24 0603231F	Crew Systems and Personnel Protection Technology	3	16,899	12,888	16,600	U
25 0603238F	Global Surveillance	3	4,676		14,500	U
26 0603245F	Advanced Fighter Technology Integration	3	17,650	1,296	18,100	U
27 0603250F	Lincoln Laboratory	3	24,958	17,437	15,000	U
28 0603253F	Advanced Avionics Integration	3	22,077	3,474	24,500	U
29 0603269F	National Aero Space Plane Technology Program	3	140,244	39,777		U
30 0603270F	EW Technology	3	30,658	23,451	27,700	U
31 0603302F	Space and Missile Rocket Propulsion	3	10,885	11,727	11,800	U
32 0603311F	Ballistic Missile Technology	3	59,211	20,784	10,000	U
33 0603319F	Airborne Laser Technology	3		1,934		U
34 0603401F	Advanced Spacecraft Technology	3	26,121	20,459	24,200	U
35 0603410F	Space Systems Environmental Interactions	3	3,912	3,620	4,200	U
36 0603428F	Space Technology Space Subsystems Technology	3	4,117	7,955		U
37 0603601F	Conventional Weapons Technology	3	24,257	17,367	35,100	U

Page F-2

UNCLASSIFIED

UNCLASSIFIED

**Department of the Air Force  
FY 1995 R D T & E Program**

Appropriation: 3600 F Research Development Test &amp; Eval AF

Exhibit R-1

Date: FEB 1994

Program Line Element No Number	Item	Act -----	FY 1993 -----	FY 1994 -----	FY 1995 -----	S -----
38 0603605F	Advanced Radiation Technology	3	81,251	93,690	59,500	U
39 0603707F	Weather Systems Technology	3	5,002	4,427	5,100	U
40 0603723F	Civil and Environmental Engineering Technology	3	11,187	13,360	9,798	U
41 0603726F	C3I Subsystem Integration	3	9,363	8,617	11,050	U
42 0603728F	Advanced Computing Technology	3	16,054	8,074	9,125	U
43 0603789F	C3 Advanced Development	3	9,223	8,673	9,925	U
<b>Advanced Development</b>		<b>693,759</b>	<b>480,116</b>	<b>485,281</b>		
44 0603107F	Technical Evaluation System	4				U
45 0603110F	Special Evaluation Program	4				U
46 0603111F	Meridian	4				U
47 0603260F	Intelligence Advanced Development	4	7,170	6,022	5,134	U
48 0603307F	Air Base Operability Advanced Development	4	3,520	3,701	2,312	U
49 0603308F	Strategic Missile Modernization	4			36,018	U
50 0603319F	Airborne Laser Technology	4			20,000	U
51 0603402F	Space Test Program	4	53,845	43,274	62,084	U
52 0603430F	Advanced MILSATCOM	4			22,095	U
53 0603434F	Defense Meteorological Satellite Program Block 6	4			7,601	U
54 0603438F	Satellite Systems Survivability	4	5,390	4,305	8,531	U
55 0603440F	BRILLIANT EYES	4		140,000		U

Page F-3

UNCLASSIFIED

## UNCLASSIFIED

Department of the Air Force  
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test &amp; Eval AF

Date: FEB 1994

Program Element Number	Line Item	Act	FY 1993	FY 1994	FY 1995	Thousands of Dollars
<hr/>						
56	0603441F Advanced Space Based TW/AA (Dem Val)	4	6,268	9,269	5,402	U
57	0603617F Command, Control, and Communication Applications	4	525	495	495	U
58	0603714F DoD Physical Security Equipment - Exterior	4	18,169	27,948	13,453	U
59	0603742F Combat Identification Technology	4				
60	0603800F Joint Strike Advanced Technology Program	4			101,354	U
61	0603801F Special Programs	4			U	
<hr/>						
Demonstration and Validation						
62	0604201F Aircraft Avionics Equipment Development	5	15,094	6,570	4,824	U
63	0604211F Advanced Aerial Target Development	5	20,559		U	
64	0604212F Aircraft Equipment Development	5	3,804	1,517	1,517	U
65	0604218F Engine Model Derivative Program (EMDP)	5	945	854	761	U
66	0604222F Nuclear Weapons Support	5	5,296	5,445	5,637	U
67	0604226F B-1B (H)	5	80,597	49,000	74,119	U
68	0604227F Training Systems Development	5	27,118	19,815	14,261	U
69	0604231F C-17 Program	5	168,642	232,497	221,454	U
70	0604233F Specialized Undergraduate Pilot Training	5	4,392	5,604	41,633	U
71	0604237F Variable Stability In-Flight Simulator Test	5	2,066	5,805	2,027	U
72	0604239F F-22 EMD	5	1,925,199	2,082,904	2,461,149	U
73	0604240F B-2 Advanced Technology Bomber	5	1,189,290	785,820	408,543	U

UNCLASSIFIED

Page F-4

UNCLASSIFIED

**Department of the Air Force  
FY 1995 R D T & E Program**

Exhibit R-1

Appropriation: 3600 F Research Development Test &amp; Eval AF

Date: FEB 1994

Program Line Element No Number	Item	Act	Thousands of Dollars		
			FY 1993	FY 1994	FY 1995 C
74 0604242F	Advanced Interdiction Aft (AX)	5	1,897	35	U
75 0604243F	Manpower, Personnel and Training Development	5	3,115	4,811	4,636 U
76 0604249F	Night/Precision Attack	5	8,694	10	21,672 U
77 0604268F	Aircraft Engine Component Improvement Program	5	93,096	101,673	97,399 U
78 0604270F	EW Development	5	145,496	117,442	88,774 U
79 0604312F	ICBM Modernization	5	50,309		U
80 0604321F	Joint Tactical Fusion Program	5	2,883	2,097	8,666 U
81 0604327F	Hardened Target Munitions	5	4,627		U
82 0604408F	National Launch System	5	9,435		10,176 U
83 0604479F	MILSTAR LDR/MDR Sat Comm	5			607,248 U
84 0604601F	Chemical/Biological Defense Equipment	5	14,656	9,775	7,587 U
85 0604602F	Armament/Ordnance Development	5	5,839	11,292	10,853 U
86 0604604F	Submunitions	5	7,063	3,796	26,680 U
87 0604609F	R&M Maturation/Technology Insertion	5	21,692	18,693	8,804 U
88 0604617F	Air Base Operability	5	12,900	10,912	9,580 U
89 0604618F	Joint Direct Attack Munition	5	22,548	74,665	84,995 U
90 0604703F	Aeromedical/Chemical Defense Systems	5	6,559	10,157	8,178 U
91 0604704F	Common Support Equipment Development	5	8,871	4,766	1,605 U
92 0604706F	Life Support Systems	5	12,044	10,913	5,058 U
93 0604707F	Weather Systems - Eng Dev	5	6,149	9,191	U

UNCLASSIFIED

Page F-5

## UNCLASSIFIED

Department of the Air Force  
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test &amp; Eval AF

Date: FEB 1994

Program Line Element No	Item Number	Item	Act	FY 1993	FY 1994	FY 1995	Thousands of Dollars
94	0604708F	Civil, Fire, Environmental, Shelter Engineering	5	2,513	4,433	3,214	U
95	0604711F	Systems Survivability (Nuclear Effects)	5	6,038	3,623	2,786	U
96	0604727F	Joint Standoff Weapons Systems	5	5,463	24,367	48,966	U
97	0604733F	Surface Defense Suppression	5	8,472	1,898	951	U
98	0604735F	Range Improvement	5	49,088	15,626	18,301	U
99	0604740F	Computer Resource Technology Transition (CRTT)	5	20,162	13,831	6,621	U
100	0604747F	Electromagnetic Radiation Test Facilities	5	3,699			
101	0604750F	Intelligence Equipment	5	2,853	2,859	2,633	U
102	0604754F	Joint Tactical Information Distribution System (JTIDS)	5	15,136	11,359	11,634	U
103	0604755F	Improved Capability for Development Test & Evaluation	5	46,894			
104	0604756F	Side Looking Airborne Radar	5	3,899			
105	0604770F	Joint Surveillance/Target Attack Radar System (JSTARS)	5	313,463	283,071	190,408	U
106	0604779F	Joint Interoperability of Tactical Command & Control Systems (JINTACCS)	5	6,670	4,729	2,063	U
107	0303606F	UHF Satellite Communications	5			20,879	U
		Engineering and Manufacturing Development	4	4,365,225	3,951,855	4,544,775	
108	0604256F	Threat Simulator Development	6		41,631	40,075	U
109	0604258F	Target Systems Development	6		10,052	7,576	U
110	0604759F	Major T&E Investment	6		50,515	53,544	U
111	0605101F	RAND Project Air Force	6	22,705	24,000	28,039	U

**UNCLASSIFIED**

**Department of the Air Force  
FY 1995 RDT&E Program**

**Exhibit R-1**

**Appropriation: 3600 F Research Development Test & Eval AF**

**Date: FEB 1994**

Program Element Number	Item	Thousands of Dollars				
		Act	FY 1993	FY 1994	FY 1995	C
112 0605306F	Ranch Hand II Epidemiology Study	6	8,925	3,686	3,160	U
113 0605502F	Small Business Innovative Research (H)	6	137,523			U
114 0605708F	Navigation/Radar/Sled Track Test Support	6	26,074	29,647	26,023	U
115 0605712F	Initial Operational Test & Evaluation	6	28,398	27,656	33,504	U
116 0605807F	Test and Evaluation Support	6	386,983	385,272	373,376	U
117 0605808F	Development Planning	6	9,543	6,674	9,959	U
118 0605856F	Environmental Compliance	6	24,113	39,355	42,876	U
119 0605863F	RDT&E Aircraft Support	6	38,948	39,436	34,476	U
120 0605876F	Minor Construction (RPM) - RDT&E	6	2,899	7,467	3,281	U
121 0605878F	Maintenance and Repair (RPM) - RDT&E	6	48,868	41,070	51,904	U
122 0605896F	Base Operations - RDT&E	6	103,934	111,350	106,914	U
123 0603107F	RDT&E Management Support	7	838,913	817,811	814,707	
124 0603110F	Technical Evaluation System	7				U
125 0101113F	Special Evaluation Program	7				U
126 0101120F	B-52 Squadrons	7	20,472	6,265		U
127 0101142F	Advanced Cruise Missile	7	19,219	25,251		U
128 0101213F	KC-135 Squadrons	7	3,499			U
129 0101312F	Minuteman Squadrons	7	26,704	130,360	151,675	U

**UNCLASSIFIED**

## UNCLASSIFIED

Department of the Air Force  
FY 1995 RDT & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test &amp; Eval AF

Date: FEB 1994

Program Line Number	Element Item	Act	Thousands of Dollars		
			FY 1993	FY 1994	FY 1995 C
130 010131F	Strat War Planning System - USSTRATCOM	7	6,862		U
131 0101815F	Advanced Strategic Programs	7			U
132 0102325F	Joint Surveillance System	7	4,355	3,089	2,770 U
133 0102411F	Surveillance Radar Stations/Sites	7	7,695	7,305	4,191 U
134 0102412F	Distant Early Warning (DEW) Radar Stations	7	2,444	2,578	2,068 U
135 0207129F	F-111 Squadrons	7	26,289	25,536	11,019 U
136 0207130F	F-15A/B/C/D Squadrons	7	23,753		U
137 0207131F	A-10 Squadrons	7	350		U
138 0207133F	F-16 Squadrons	7	109,409	60,929	93,157 U
139 0207134F	F-15E Squadrons	7	49,433	65,829	116,562 U
140 0207136F	Manned Destructive Suppression	7	8,362	4,352	38,422 U
141 0207137F	CONSTANT HELP	7			U
142 0207141F	F-117A Squadrons	7	1,224	6,740	U
143 0207160F	Tri-Service Standoff Attack Missile	7		265,384	81,063 U
144 0207161F	Tactical AIM Missiles	7			26,944 U
145 0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	38,856	67,104	70,715 U
146 0207217F	Follow-On Tactical Reconnaissance System	7	58,362	8,582	U
147 0207247F	AF TENCAP	7	4,099	13,442	21,183 U
148 0207248F	Special Evaluation Program	7	855	120,039	118,260 U
149 0207411F	Overseas Air Weapon Control System	7		14,191	U

Page F-8

UNCLASSIFIED

## UNCLASSIFIED

Department of the Air Force  
FY 1995 R D T & E Program

Exhibit R-1  
Appropriation: 3600 F Research Development Test & Eval AF

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995 C	\$ Tho. Millions of Dollars
150 0207412F	Tactical Air Control Systems	7	22,634	28,215	7,383 U	
151 0207417F	Airborne Warning and Control System (AWACS)	7	62,927	84,894	85,643 U	
152 0207419F	Tactical Airborne Command and Control Systems	7	5,958		2,779 U	
153 0207422F	Deployable C3 Systems	7			2,610 U	
154 0207423F	Advanced Communications Systems	7	471	377	459 U	
155 0207424F	Evaluation and Analysis Program	7	15,389	74,264	73,957 U	
156 0207431F	Combat Air Intelligence System Activities	7			U	
157 0207433F	Advanced Program Technology	7	22,454	121,415	165,351 U	
158 0207438F	Theater Battle Management (TBM) C4I	7		11,929	33,957 U	
159 0207579F	Advanced Systems Improvements	7	51,975	128,445	119,866 U	
160 0207590F	Seek Eagle	7	28,976	15,019	15,982 U	
161 0207591F	Advanced Program Evaluation	7	92,046	89,105	105,077 U	
162 0207601F	USAF Wargaming and Simulation	7		11,509	19,110 U	
163 0208006F	Mission Planning Systems	7	14,480	24,006	14,483 U	
164 0208010F	Joint Tactical Communications Program (TRI-TAC)	7	11,755		U	
165 0208021F	Electronic Combat Support	7			U	
166 0208042F	HAVE FLAG	7			U	
167 0208060F	Theater Missile Defenses	7			79,302 U	
168 0301310F	Foreign Technology Division	7			U	
169 0301313F	Defense Dissemination Program	7			U	

## UNCLASSIFIED

Department of the Air Force  
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test &amp; Eval AF

Date: FEB 1994

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995	Thousands of Dollars
170 0301314F	IR/EO/DEW Processing and Exploitation	7				U
171 0301315F	Missile and Space Technical Collection	7				U
172 0301317F	SENIOR YEAR Operations	7				U
173 0301324F	FOREST GREEN	7				U
174 0301357F	NUDET Detection System	7	2,153			U
175 0303110F	Defense Satellite Communications System	7	12,901	20,406	30,876	U
176 0303126F	Long-Haul Communications (DCS)	7	3,196			U
177 0303131F	Minimum Essential Emergency Communications Network (MEECN)	7	12,645	3,960	40,795	U
178 0303140F	Information Systems Security Program	7		16,691	10,293	U
179 0303144F	Electromagnetic Compatibility Analysis Center (ECAC)	7	9,733	9,922	9,287	U
180 0303401F	Communications Security (COMSEC)	7				U
181 0303601F	M11star Satellite Communications System	7	1,107,328	918,353	18,249	U
182 0303605F	Satellite Communications Terminals	7	4,145	1,391	1,905	U
183 0304111F	Special Activities	7				U
184 0305110F	Satellite Control Network	7	92,653	96,095	101,146	U
185 0305111F	Weather Service	7			20,990	U
186 0305114F	Air Traffic Control, Approach, and Landing System (ATCALS)	7	12,030	8,600	7,566	U
187 0305119F	Medium Launch Vehicles	7	46,559	71,168	21,042	U
188 0305124F	Special Applications Program	7				U
189 0305137F	National Airspace System (NAS) Plan	7	6,434	14,707	30,980	U

Page F-10

UNCLASSIFIED

UNCLASSIFIED

**Department of the Air Force  
FY 1995 RDT&E Program**

Exhibit R-1

Appropriation: 3600 F Research Development Test &amp; Eval AF

Date: FEB 1994

Program	Line Element No	Item Number	Item	Thousands of Dollars			
				Act	FY 1993	FY 1994	FY 1995
190	0305138F		Upper Stage Space Vehicles	7		4,118	3,663
191	0305142F		Applied Technology and Integration	7			U
192	0305144F		Titan Space Launch Vehicles	7	147,191	270,125	161,096
193	0305145F		Arms Control Implementation	7	4,266	7,067	6,456
194	0305158F		CONSTANT SOURCE	7	7,062	3,125	3,259
195	0305160F		Defense Meteorological Satellite Program (DMSP)	7	21,938	25,709	21,135
196	0305164F		NAVSTAR Global Positioning System (User Equipment Control Segments)	7	20,784	16,073	9,781
197	0305155F		NAVSTAR Global Positioning System (Space and Combined Advanced Applications)	7	56,222	38,808	51,125
198	0305172F			7			U
199	0305181F		Western Space Launch Facility (WSLF)	7		9,493	U
200	0305182F		Eastern Space Launch Facility (ESLF)	7		50,955	42,710
201	0305887F		Electronic Combat Intelligence Support	7	1,790	1,993	1,892
202	0305892F		Special Analysis Activities	7			U
203	0305905F		Improved Space Based TW/AA	7	236,557	107,378	U
204	0305906F		NCMC - TW/AA System	7	153,875	132,987	100,520
205	0305909F		Ballistic Missile Early Warning System (BMEWS)	7	3,689	554	U
206	0305910F		SPACETRACK	7	69,242	56,975	34,396
207	0305911F		Defense Support Program	7	48,581	50,311	76,351
208	0305912F		Submarine-Launched Ballistic Missile (SLBM) Radar Warning System	7	712		U
209	0305913F		NUDET Detection System	7	5,397	9,307	10,140

UNCLASSIFIED

Page F-11

UNCLASSIFIED

**Department of the Air Force  
FY 1995 R D T & E Program**

Exhibit R-1

Appropriation: 3600 F Research Development Test &amp; Eval AF

Date: FEB 1994

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995 C
			Thousands of Dollars		
210 0401218F	KC-135s	7	11,745	5,160 U	S
211 0401840F	<b>MAC Command and Control System</b>	7	12,198	10,714	U
212 0701111F	Supply Depot Operations (Non-IF)	7	1,564		U
213 070112F	Inventory Control Point Operations	7	1,131		U
214 0702207F	<b>Depot Maintenance (Non-IF)</b>	7	2,729	1,820	2,099 U
215 0708011F	<b>Industrial Preparedness</b>	7	98,252	73,612	U
216 0708012F	<b>Logistics Support Activities</b>	7	5,811	6,301	5,804 U
217 0708026F	Productivity, Reliability, Availability, Maintain. Prog Ofc (PRAMPO)	7	22,307	18,068	6,785 U
218 0708054F	Pollution Prevention	7		25,087	16,216 U
219 0804734F	Cryptologic/SIGINT-Related Skill Training	7		1,915	1,526 U
220 0808789F	Counterdrug Demand Reduction Activities	7	100		U
221 0901218F	Civilian Compensation Program	7	5,690	5,775	5,655 U
222 1001004F	International Activities	7	3,522	1,909	3,436 U
	<b>Operational Systems Development</b>		5,729,665	5,923,056	5,148,794
Total	<b>Research Development Test &amp; Eval AF</b>		12,866,924	12,258,662	12,349,362

Page F-12

UNCLASSIFIED

**UNCLASSIFIED**

FY 1995 Defensewide R D T & E Program

**Summary**

**Exhibit R-1**

Date: FEB 1994

**Thousands of Dollars**

**FY 1993 FY 1994 FY 1995**

**Summary Recap of Budget Activities**

<b>Basic Research</b>	<b>438,544</b>	<b>345,053</b>	<b>340,198</b>
<b>Exploratory Development</b>	<b>1,619,112</b>	<b>1,038,183</b>	<b>1,217,709</b>
<b>Advanced Development</b>	<b>4,284,118</b>	<b>4,733,274</b>	<b>3,695,723</b>
<b>Demonstration and Validation</b>	<b>1,239,199</b>	<b>196,505</b>	<b>1,358,435</b>
<b>Engineering and Manufacturing Development</b>	<b>86,349</b>	<b>65,059</b>	<b>302,164</b>
<b>RDT&amp;E Management Support</b>	<b>137,798</b>	<b>250,519</b>	<b>400,070</b>
<b>Operational Systems Development</b>	<b>1,959,687</b>	<b>2,081,457</b>	<b>2,102,556</b>
<b>Total Research Development Test &amp; Eval Defwide</b>	<b>9,764,807</b>	<b>8,710,050</b>	<b>9,416,855</b>

**Summary Recap of FYDP Programs**

<b>General Purpose Forces</b>	<b>27,329</b>	<b>29,173</b>	<b>37,429</b>
<b>Intelligence and Communications</b>	<b>1,739,299</b>	<b>1,791,804</b>	<b>1,873,916</b>
<b>Research and Development (FYDP Program 6)</b>	<b>7,760,879</b>	<b>6,585,896</b>	<b>7,289,973</b>
<b>Central Supply and Maintenance</b>	<b>1,803</b>	<b>21,850</b>	
<b>Special Operations Forces</b>	<b>235,497</b>	<b>281,327</b>	<b>215,537</b>
<b>Total Research Development Test &amp; Eval Defwide</b>	<b>9,764,807</b>	<b>8,710,050</b>	<b>9,416,855</b>

**UNCLASSIFIED**

**Page D-1**

UNCLASSIFIED

**Defensewide R D T & E Program**

**Summary**

**Exhibit R-1**

**Date: FEB 1994**

	FY 1993	FY 1994	FY 1995
	Thousands of Dollars		
<b>Summary Recap of Defensewide</b>			
Defense Mapping Agency	59,149	67,654	86,556
Ballistic Missile Defense Organization	3,628,300	2,617,200	2,979,855
Office of Secretary/Defense	1,533,341	1,203,556	1,865,229
Advanced Research Projects Agcy	2,278,832	2,559,035	2,661,686
National Security Agency			
Defense Nuclear Agency	476,033	274,050	273,041
Defense Support Project Office	254,060	450,897	46,865
Joint Chiefs of Staff	26,215	20,515	10,939
Defense Information Systems Agency	91,753	88,292	79,865
Defense Intelligence Agency			
Central Imagery Office			
Defense Logistics Agency			
Defense Investigative Service			
Uniformed Services University (USUHS)	4,118	281,327	215,537
Special Operations Command	235,497	-----	-----
<b>Total Research Development Test &amp; Eval Defwide</b>	<b>9,764,807</b>	<b>8,710,050</b>	<b>9,416,855</b>

UNCLASSIFIED

Page D-11

UNCLASSIFIED

**Defensewide**  
**FY 1995 R D T & E Program**

Appropriation: 0400 D Research Development Test &amp; Eval Defwide

Exhibit R-1

Date: FEB 1994

Program	Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995	Thousands of Dollars
1	0601101D	In-House Laboratory Independent Research	1		2,262		U
2	0601101E	Defense Research Sciences	1	109,559	86,457	87,706	U
3	0601101W	In-House Laboratory Independent Research	1	4,118			U
4	0601103D	University Research Initiatives	1	315,501	244,667	232,492	U
5	0601109D	US-JAPAN Management Training	1	9,366			U
6	0601110D	Focused Research Initiatives	1		11,667	20,000	U
		Basic Research		438,544	345,053	340,198	
7	0602109H	Superconductive Magnetic Energy Storage	2		20,000		U
8	0602217C	Ballistic Missile Defense Technology	2			106,460	U
9	0602227D	Medical Free Electron Laser	2	18,733	23,151	25,938	U
10	0602228D	Historically Black Colleges and Universities (HBCU) Science and Engineering Computing Systems and Communications Technology	2	14,050		15,000	U
11	0602301E	Tactical Technology	2	348,329	321,216	419,608	U
12	0602702E	Integrated Command and Control Technology	2	97,122	88,652	111,343	U
13	0602708E	Materials and Electronics Technology	2	152,180	85,000	67,950	U
14	0602712E	Defense Nuclear Agency	2	254,386	261,224	224,828	U
15	0602715H	Medical Technology	2	371,716	233,154	231,978	U
16	0602787D	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	2		8,117	8,477	U
17	0602790D	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	2			1,500	U
18	0602790H	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	2		4,868		

UNCLASSIFIED

Page D-1

## UNCLASSIFIED

FY 1995 Defensewide RDT&amp;E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test &amp; Eval Defensewide

Date: FEB 1994

Program Line Element Number	Item	Act	FY 1993	FY 1994	FY 1995	Comments
19 0603217C	Ballistic Missile Defense Technology	2	300,210			U
20 0603734J	Island Sun Support	2	20,529	15,822	2,784	U
21 0605502D	Small Business Innovative Research	2	15,249			U
22 0305108K	Command and Control Research	2	1,740	1,847	1,843	U
	Exploratory Development		1,619,112	1,038,183	1,217,709	
23 0602222D	Counterterror Technical Support	3	9,309	6,102	6,321	U
24 0603002D	Medical Advanced Technology	3		11,361	4,542	U
25 0603214C	Space Based Interceptors	3	213,533			U
26 0603215C	Limited Defense System	3	1,669,831	574,100		U
27 0603216C	Theater Missile Defenses	3		1,485,847	479,131	U
28 0603217C	Ballistic Missile Defense Technology	3			769,993	U
29 0603218C	Research and Support Activities	3	417,668	515,156		U
30 0603225D	Joint DoD-Doe Munitions Technology Development	3	17,684	19,547	14,415	U
31 0603226E	Experimental Evaluation of Major Innovative Technologies Advanced Submarine Technology	3	286,969	560,308	609,331	U
32 0603569E	Defense Reinvestment	3	52,352	44,194	25,261	U
33 0603570D	Defense Reinvestment	3	561,633	474,000	625,000	U
34 0603570E	Special Technical Support	3	8,733	9,083	11,298	U
35 0603704D	Manufacturing Technology	3			97,057	U

Page D-2

UNCLASSIFIED

**UNCLASSIFIED**

**FY 1995 R D T & E Program**

**Exhibit R-1**

**Appropriation: 0400 D Research Development Test & Eval Defense**

**Date: FEB 1994**

Program Line Element No	Element Number	Item	Act ---	Thousands of Dollars		
				FY 1993	FY 1994	FY 1995
37	0603711H	Verification Technology Demonstration	3	79,449	40,896	41,063 U
38	0603716D	Strategic Environmental Research Program	3	172,736	152,214	111,907 U
39	0603724D	Biological Defense - Advanced Development	3		9,714	U
40	0603725D	Computers & Communications to Reduce Medical Cost	3		2,914	U
41	0603736D	Computer Aided Logistics Support	3	15,111	10,738	13,090 U
42	0603737D	Balanced Technology Initiative	3	140,839		U
43	0603738D	Cooperative DoD/VA Medical Research	3	28,528	20,561	U
44	0603739E	Manufacturing Technology	3	219,847	380,236	346,129 U
45	0603741D	Air Defense Initiative	3	161,187		U
46	0603744E	Advanced Simulation	3	28,521	27,107	20,937 U
47	0603745E	Semiconductor Manufacturing Technology	3	94,710	89,500	90,000 U
48	0603746E	Maritime Technology Office	3		38,750	U
49	0603747E	Electric Vehicles	3		46,250	U
50	0603748E	Natural Gas Vehicles	3		15,000	U
51	0603749E	Earth Conservancy	3		10,000	U
52	0603750D	Advanced Concepts Technology Demonstration	3		50,000	U
53	0603755D	High Performance Computing Modernization Program	3		47,491	183,048 U
54	0603756D	Consolidated DoD Software Initiative	3	33,558	23,725	U
55	0603832D	Joint Wargaming Simulation Management Office	3	56,171	81,534	68,117 U
56	0604704D	Rocket Motor Demilitarization Program	3	15,749	17,946	U

**UNCLASSIFIED**

**Page D-3**

UNCLASSIFIED

**FY 1995 Defensewide R D T & E Program**

**Exhibit R-1**

**Appropriation: 0400 D Research Development Test & Eval Defense**

**Date: FEB 1994**

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995 C	Thousands of Dollars
57 0303132G	Global Grid Communications	3				U
	Advanced Development		4,284,118	4,733,274		3,695,723
58 0603216C	Theater Missile Defenses	4	1,027,058			U
59 0603228D	Physical Security Equipment	4	24,650	18,180		21,409 U
60 0603708D	Integrated Diagnostics	4	10,558	9,179		11,634 U
61 0603709D	Joint Robotics Program	4	17,052	23,849		23,418 U
62 0603710D	Classified Program - C3I	4	42,428	8,691		8,092 U
63 0603714D	Advanced Sensor Applications Program	4	43,421	35,096		27,359 U
64 0603715D	AIM-9 Consolidated Program	4	14,193	21,786		U
65 0603790D	NATO Research and Development	4	59,839	37,627		60,240 U
66 0604216C	Theater Missile Defense (Dem/Val)	4				1,071,283 U
67 0604217C	Ballistic Missile Defense Technology (Dem/Val)	4				120,000 U
68 0604225C	Theater Missile Defenses	4		42,097		U
69 0604708D	Innovative Environmental Security Technology Systems Program					15,000 U
	Demonstration and Validation		1,239,199	196,505		1,358,435
70 0604225C	Theater Missile Defenses	5				217,755 U
71 0604705D	Mobile Offshore Base Analysis	5	6,555	16,480		U
72 0604771D	Joint Tactical Information Distribution System (JTIDS)	5	69,657	48,579		84,409 U
73 0305889D	Counterdrug Intelligence Support	5		10,137		U
	Engineering and Manufacturing Development		86,349	65,059		302,164

UNCLASSIFIED

Page D-4

UNCLASSIFIED

## UNCLASSIFIED

FY 1995 Defensewide R D T &amp; E Program

Appropriation: 0400 D Research Development Test &amp; Eval Defense

Exhibit R-1

Date: FEB 1994

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995	Thousands of Dollars	
74 0603218C	Research and Support Activities	6	34,711	26,663	215,233	U	
75 0605104D	Technical Studies, Support and Analysis	6	4,770	4,875	40,501	U	
76 0605110D	Technical Support to USD(A)--Critical Technology	6	9,486	155,554	2,660	U	
77 0605114E	BLACK LIGHT	6	5,657	4,875	4,875	U	
78 0605117D	Foreign-Material Acquisition and Exploitation	6	16,531	12,917	15,311	49,900	U
79 0605120S	Technical Information Service	6	21,362	26,266	42,949	U	
80 0605502E	Small Business Innovative Research	6	30,561	30,561	28,718	U	
81 0605798S	Defense Support Activities	6	1,803	21,850	15,234	U	
82 0605801S	Defense Technical Information Center	6	137,798	250,519	42,949	U	
83 0605898E	Management Headquarters (Research and Development)	6	1,786	1,193	1,389	U	
84 0305889E	Counterdrug Intelligence Support	6	25,543	27,980	36,040	U	
85 0708011S	Industrial Preparedness	6	-	-	-	U	
	RDT&E Management Support				400,070		
86 0201135J	CINC C2 Initiatives	7	7	7	1,193		
87 0208045K	C3 Interoperability (Joint Tactical C3 Agency)	7	7	7	36,040		
88 0301011G	Cryptologic Activities	7	7	7	3,401		
89 0301301L	General Defense Intelligence Program	7	7	7	3,788		
90 0301308L	Missile Intelligence Agency	7	7	7	U		
91 0302016K	National Military Command System-Wide Support	7	7	7	U		

Page D-5

UNCLASSIFIED

## UNCLASSIFIED

FY 1995 Defensewide  
R D T & E Program

Appropriation: 0400 D Research Development Test & Eval Defwide

## Exhibit R-1

Date: FEB 1994

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995
Thousands of Dollars					
92 0302019K	Joint/Defense Information Systems Engineering and Integration Long-Haul Communications (DCS)	7	7,910	8,283	9,768 U
93 0303126K	Support of the National Communications System	7	13,230	39,916	19,657 U
94 0303127K	Minimum Essential Emergency Communications Network (MEECN)	7	3,051	3,790	4,769 U
95 0303131K	Information Systems Security Program	7	3,172	3,075	4,000 U
96 0303140G	WMMCS/Global Command and Control System	7			U
97 0303150J	WMMCCS ADP Modernization	7	3,900	3,500	6,766 U
98 0303154J	WMMCCS ADP Modernization	7			U
99 0303154K	WMMCCS ADP Modernization	7	25,709		U
100 0303401G	Communications Security (COMSEC)	7			U
101 0304311D	Selected Activities	7			U
102 0305098L	Defense Support Activity - IPSG	7			U
103 0305106LC	Consolidated Imagery Activities	7			U
104 0305107LC	Tactical Imagery Activities	7			U
105 0305127V	Foreign Counterintelligence Activities	7			U
106 0305139B	DMA Mapping, Charting, and Geodesy (MC&G) Production System Improvement	7	53,022	56,334	67,008 U
107 0305141D	Joint Remotely Piloted Vehicles Program	7	130,230	82,798	U
108 0305154D	Defense Airborne Reconnaissance Program	7			528,290 U
109 0305154G	Defense Airborne Reconnaissance Program	7			U
110 0305154I	Defense Airborne Reconnaissance Program	7	194,135	334,519	U
111 0305157I	Land Remote Sensing Satellite System	7	5,750	34,506	U

UNCLASSIFIED

UNCLASSIFIED

FY 1995 R D T & E Program  
Defensewide

Appropriation: 0400 D Research Development Test &amp; Eval Defwide

Exhibit R-1

Date: FEB 1994

Program Line Element No	Element Number	Item	Thousands of Dollars			
			Act	FY 1993	FY 1994	FY 1995 C S
112	0305159B	Defense Reconnaissance Support Activities	7	6,127	11,320	19,548 U
113	0305159G	Defense Reconnaissance Support Activities	7			U
114	0305159I	Defense Reconnaissance Support Activities	7	54,175	81,872	46,865 U
115	0305167G	Computer Security	7			U
116	0305190D	C3I Intelligence Programs	7	13,870	16,280	22,515 U
117	0305830K	Center for Information Management	7		3,284	U
118	0305884L	Intelligence Planning and Review Activities	7			U
119	0305885G	Tactical Cryptologic Activities	7			U
120	0305889G	Counterdrug Intelligence Support	7			U
121	0305889K	Counterdrug Intelligence Support	7		250	U
122	0305889L	Counterdrug Intelligence Support	7			U
123	0305898L	Management Headquarters (Auxiliary Forces)	7			U
124	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	7	1,749		U
125	1160401BB	Special Operations Technology Development	7	3,655	6,744	7,560 U
126	1160402BB	Special Operations Advanced Technology Development	7	13,286	27,098	15,549 U
127	1160404BB	Special Operations Tactical Systems Development	7	121,025	217,976	167,356 U
128	1160405BB	Special Operations Intelligence Systems Development	7	27,984	6,686	2,958 U
129	1160407BB	SOF Medical Technology Development	7	541	1,310	1,798 U
130	1160408BB	SOF Operational Enhancements	7	67,257	21,513	20,316 U
		Operational Systems Development		1,959,687	2,081,457	2,102,556
Total		Research Development Test & Eval Defwide		9,764,807	8,710,050	9,416,855
		UNCLASSIFIED				Page D-7

**UNCLASSIFIED**

**Defensewide  
R D T & E Program**

**Summary**

**Exhibit R-1**

**Date: FEB 1994**

	Thousands of Dollars		
	FY 1993	FY 1994	FY 1995
<b>Summary Recap of Budget Activities</b>			
RDT&E Management Support	259,021	231,757	251,495
Total Director of Test & Eval Defense	259,021	231,757	251,495
<b>Summary Recap of FYDP Programs</b>			
Research and Development (FYDP Program 6)	259,021	231,757	251,495
Total Director of Test & Eval Defense	259,021	231,757	251,495

**UNCLASSIFIED**

**Page D-8**

**UNCLASSIFIED**

**FY 1995 Defensewide R D T & E Program**

**Exhibit R-1**

**Appropriation: 0450 D Director of Test & Eval Defense**

**Date: FEB 1994**

<b>Program Line Element No Number</b>	<b>Item</b>	<b>Act</b>	<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995 C</b>	<b>S</b>
1 0604940D	Central Test and Evaluation Investment Development (CTEIP)	6	106,806	100,523	115,318 U	
2 0605130D	Foreign Comparative Testing	6	31,301	32,913	33,716 U	
3 0605131D	Live Fire Testing	6	10,656	7,499	10,461 U	
4 0605804D	Development Test and Evaluation	6	110,258	90,822	92,000 U	
	RDT&E Management Support	259,021	231,757	231,757	251,495	
<b>Total</b>	<b>Director of Test &amp; Eval Defense</b>	<b>259,021</b>	<b>231,757</b>	<b>231,757</b>	<b>251,495</b>	

**Total Director of Test & Eval Defense**

**Page D-9**

**UNCLASSIFIED**

**UNCLASSIFIED**

**Defensewide  
FY 1995 R D T & E Program**

**Exhibit R-1**

**Date: FEB 1994**

**Summary**

	Thousands of Dollars		
	FY 1993	FY 1994	FY 1995
<b>Summary Recap of Budget Activities</b>			
RD&E Management Support	12,333	11,450	12,501
Total Director of Operational Test & Evaluation	12,333	11,450	12,501
<b>Summary Recap of FYDP Programs</b>			
Research and Development (FYDP Program 6)	12,333	11,450	12,501
Total Director of Operational Test & Evaluation	12,333	11,450	12,501

**UNCLASSIFIED**

**Page D-10**

UNCLASSIFIED

FY 1995 Defensewide R D T & E Program

Exhibit R-1

Appropriation: 0460 D Director of Operational Test & Evaluation

Date: FEB 1994

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995 C S
1 0605118D	Operational Test and Evaluation	6	12,333	11,450	12,501 U
RDT&E Management Support					
Total	Director of Operational Test & Evaluation		12,333	11,450	12,501
			12,333	11,450	12,501

Page D-11

UNCLASSIFIED

UNCLASSIFIED

Defense Mapping Agency  
FY 1995 R D T & E Program

Appropriation: 0400 D Research Development Test & Eval Defwide

Exhibit R-1

Date: FEB 1994

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995 C
106 0305139B	DNA Mapping, Charting, and Geodesy (MC&G) Production System Improve	7	53,022	56,334	67,008 U
112 0305159B	Defense Reconnaissance Support Activities	7	6,127	11,320	19,548 U
Operational Systems Development					
Total	Defense Mapping Agency	59,149	67,654	86,556	
		59,149	67,654	86,556	

UNCLASSIFIED

Page D-12

UNCLASSIFIED

**Ballistic Missile Defense Organization  
FY 1995 RDT & E Program**

Exhibit R-1

Appropriation: 0400 D Research Development Test &amp; Eval Defwide

Date: FEB 1994

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995	Thousands of Dollars
8 0602217C	Ballistic Missile Defense Technology	2				106,460 U
19 0603217C	Ballistic Missile Defense Technology	2	300,210			U
	Exploratory Development		300,210			106,460
25 0603214C	Space Based Interceptors	3	213,533			U
26 0603215C	Limited Defense System	3	1,669,831	574,100		U
27 0603216C	Theater Missile Defenses	3		1,485,847	479,131	U
28 0603217C	Ballistic Missile Defense Technology	3			769,993	U
29 0603218C	Research and Support Activities	3	417,668	515,156		U
	Advanced Development		2,301,032	2,575,103	1,249,124	
58 0603216C	Theater Missile Defenses	4	1,027,058			U
66 0604216C	Theater Missile Defense (Dem/Vai)	4			1,071,283	U
67 0604217C	Ballistic Missile Defense Technology (Dem/Vai)	4			120,000	U
68 0604225C	Theater Missile Defenses	4		42,097		U
	Demonstration and Validation		1,027,058	42,097	1,191,283	
70 0604225C	Theater Missile Defenses	5			217,755	U
	Engineering and Manufacturing Development				217,755	
74 0603218C	Research and Support Activities	6			215,233	U
	RDT&E Management Support				215,233	
Total	Ballistic Missile Defense Organization	3,628,300	2,617,200		2,979,855	
					Page D-13	
	UNCLASSIFIED					

UNCLASSIFIED

Office of Secretary/Defense FY 1995 RDT&E Program

Exhibit R-1

Date: FEB 1991

1. **Implementation:** 8488 D Research Development & Evaluation

Page 0-11

UNCLASSIFIED

## UNCLASSIFIED

Office of Secretary/Defense  
FY 1995 RDT&E Program

Exhibit R-1  
Date: FEB 1994

Appropriation: 0400 D Research Development Test & Eval Defwide

Program Line Element No Number	Item	Thousands of Dollars		
		Act	FY 1993	FY 1994
40 0603725D	Computers & Communications to Reduce Medical Cost	3	2,914	U
41 0603736D	Computer Aided Logistics Support	3	15,111	10,738
42 0603737D	Balanced Technology Initiative	3	140,839	13,090 U
43 0603738D	Cooperative DoD/VA Medical Research	3	28,528	20,561 U
45 0603741D	Air Defense Initiative	3	161,187	U
52 0603750D	Advanced Concepts Technology Demonstration	3		50,000 U
53 0603755D	High Performance Computing Modernization Program	3	47,491	183,048 U
54 0603756D	Consolidated DoD Software Initiative	3	33,558	23,725 U
55 0603832D	Joint Wargaming Simulation Management Office	3	56,171	81,534
56 0604704D	Rocket Motor Demilitarization Program	3	15,749	17,946 U
	Advanced Development	659,605	4,12,930	666,395
59 0603228D	Physical Security Equipment	4	24,650	18,180
60 0603708D	Integrated Diagnostics	4	10,558	9,179
61 0603709D	Joint Robotics Program	4	17,052	23,849
62 0603710D	Classified Program - C3I	4	42,428	8,691
63 0603714D	Advanced Sensor Applications Program	4	43,421	35,096
64 0603715D	AIM-9 Consolidated Program	4	14,193	21,786 U
65 0603790D	NATO Research and Development	4	59,839	37,627
69 0604708D	Innovative Environmental Security Technology Systems Program	4		15,000 U
	Demonstration and Validation	212,141	154,408	167,152

UNCLASSIFIED

## UNCLASSIFIED

Office of Secretary/Defense  
FY 1995 RDT & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test &amp; Eval Defwide

Date: FEB 1994

Program Line Element Number	Item	Act	FY 1993	FY 1994	FY 1995	S
Thousands of Dollars						
71 0604705D	Mobile Offshore Base Analysis	5	6,555	16,480	U	
72 0604771D	Joint Tactical Information Distribution System (JTIDS)	5	69,657	48,579	84,409	U
73 0305889D	Counterdrug Intelligence Support	5	10,137		U	
 Engineering and Manufacturing Development						
75 0605104D	Technical Studies, Support and Analysis	6	34,711	26,663	40,501	U
76 0605110D	Technical Support to USD(A)--Critical Technology	6			2,660	U
78 0605117D	Foreign Material Acquisition and Exploitation	6	9,486	155,554	49,900	U
 RDT&E Management Support						
101 0304311D	Selected Activities	7		182,217	93,061	
107 0305141D	Joint Remotely Piloted Vehicles Program	7	130,230	82,798	U	
108 0305154D	Defense Airborne Reconnaissance Program	7			528,290	U
116 0305190D	C3I Intelligence Programs	7	13,870	16,280	22,515	U
 Operational Systems Development						
		158,150	99,078	550,805		
Total Office of Secretary/Defense		1,533,341	1,203,556	1,865,229		

Page D-16

UNCLASSIFIED

UNCLASSIFIED

## **Advanced Research Projects Agency FY 1995 R&D & E Program**

Exhibit R-1

Date: FEB 1984

**Appropriation:** D Research Development Test & Eval Defwide

Page D-17

UNCLASSIFIED

UNCLASSIFIED

Advanced Research Projects Agcy  
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995	S
77 0605114E	BLACK LIGHT	6	4,770	4,875	4,875	U
80 0605502E	Small Business Innovative Research	6	16,531			U
83 0605898E	Management Headquarters (Research and Development	6	21,362	26,266	28,718	U
84 0305889E	Counterdrug Intelligence Support	6	30,561			U
	RDT&E Management Support		73,224	31,141	33,593	
Total	Advanced Research Projects Agcy		2,278,832	2,559,035	2,661,686	

Page D-18

UNCLASSIFIED

UNCLASSIFIED

National Security Agency  
FY 1995 RDT&E Program

**Exhibit R-1**  
**Date: FEB 1994**  
**Appropriation: 0400 D Research Development Test & Eval Dfwld**  
**FY 1995      RDT&E Program**

Program Line Element No	Item Number	Item	Thousands of Dollars			
			Act	FY 1993	FY 1994	FY 1995
57	0303132G	Global Grid Communications	3	---	---	---
		Advanced Development	---	---	---	---
88	030101G	Cryptologic Activities	7	7	7	7
96	0303140G	Information Systems Security Program	7	7	7	7
100	0303401G	Communications Security (COMSEC)	7	7	7	7
109	0305154J	Defense Airborne Reconnaissance Program	7	7	7	7
113	0305159G	Defense Reconnaissance Support Activities	7	7	7	7
115	0305167G	Computer Security	7	7	7	7
119	0305885G	Tactical Cryptologic Activities	7	7	7	7
120	0305889G	Counterdrug Intelligence Support	7	7	7	7
		Operational Systems Development	---	---	---	---
		Total National Security Agency	---	---	---	---

Pack D-18

INCI ASSOCIATION

## UNCLASSIFIED

## Exhibit R-1

Defense Nuclear Agency  
FY 1995 R D T & E Program

Appropriation: 0400 D Research Development Test &amp; Eval Defwide

Date: FEB 1994

Program	Line Element No Number	Item	Thousands of Dollars			
			Act	FY 1993	FY 1994	FY 1995
7 0602109H	Superconductive Magnetic Energy Storage	2	20,000			U
15 0602715H	Defense Nuclear Agency	2	371,716	233,154	231,978	U
18 0602790H	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	2	4,868			U
	Exploratory Development		396,584	233,154	231,978	
37 0603711H	Verification Technology Demonstration	3	79,449	40,896	41,063	U
	Advanced Development		79,449	40,896	41,063	
Total	Defense Nuclear Agency		476,033	274,050	273,041	

**UNCLASSIFIED**

Defense Support Project Office  
FY 1995 R D T & E Program  
**Appropriation: 0400 D Research Development Test & Eval Defwide**

Exhibit R-1

Date: FEB 1994

Program Line Element No Number	Item	Thousands of Dollars			
		Act ---	FY 1993 ---	FY 1994 ---	FY 1995 C S
110 0305154I	Defense Airborne Reconnaissance Program	7	194,135	334,519	U
111 0305157I	Land Remote Sensing Satellite System	7	5,750	34,506	U
114 0305159I	Defense Reconnaissance Support Activities	7	54,175	81,872	46,865 U
<b>Operational Systems Development</b>		254,060	450,897	46,865	
<b>Total</b>	<b>Defense Support Project Office</b>	<b>254,060</b>	<b>450,897</b>	<b>46,865</b>	

**UNCLASSIFIED**

Page D-21

## UNCLASSIFIED

Appropriation: 0400 D Research Development Test & Eval Worldwide  
**FY 1995 R D T & E Program**

Joint Chiefs of Staff

Exhibit R-1

Date: FEB 1994

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995 C
20 0603734J	Island Sun Support	2	20.529	15.822	2.784 U
<b>Exploratory Development</b>					
86 0201135J	CINC C2 Initiatives	7	1.786	1.193	1.389 U
97 0303150J	WMMCCS/Global Command and Control System	7			6.766 U
98 0303154J	WMMCCS ADP Modernization	7	3.900	3.500	U
<b>Operational Systems Development</b>					
Total	<b>Joint Chiefs of Staff</b>	26.215	20.515	10.939	

UNCLASSIFIED

Page D-22

**UNCLASSIFIED**

**Defense Information Systems Agency  
FY 1995 R D T & E Program**

**Exhibit R-1**

**Appropriation: 0400 D Research Development Test & Eval Defwide**

**Date: FEB 1994**

<b>Program</b>	<b>Line Element No</b>	<b>Item</b>	<b>Act ---</b>	<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995 C ---</b>	<b>Thousands of Dollars S</b>
22	0305108K	Command and Control Research	2	1,740	1,847	1,843 U	
		Exploratory Development		1,740	1,847	1,843	
87	0208045K	C3 Interoperability (Joint Tactical C3 Agency)	7	25,543	27,980	36,040 U	
91	0302016K	National Military Command System-Wide Support	7	7,864	3,401	3,788 U	
92	0302019K	Joint/Defense Information Systems Engineering and Integration	7	7,910	8,283	9,768 U	
93	0303126K	Long-Haul Communications (DCS)	7	13,230	39,916	19,657 U	
94	0303127K	Support of the National Communications System	7	3,051	3,790	4,769 U	
95	0303131K	Minimum Essential Emergency Communications Network (MEECN)	7	3,172	3,075	4,000 U	
99	0303154K	WWACCS ADP Modernization	7	25,709	U		
117	0305830K	Center for Information Management	7	3,284	U		
121	0305889K	Counterdrug Intelligence Support	7	250	U		
		Operational Systems Development					
				90,013	86,445	78,022	
		Total Defense Information Systems Agency		91,753	88,292	79,865	

**UNCLASSIFIED**

**Page D-23**

## UNCLASSIFIED

Defense Intelligence Agency  
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test &amp; Eval Defwide

Date: FEB 1994

Program Line Number	Element Item	Act	Thousands of Dollars		
			FY 1993	FY 1994	FY 1995
89 0301301L	General Defense Intelligence Program	7			
90 0301308L	Missile Intelligence Agency	7			
102 0305098L	Defense Support Activity - IPSG	7			
118 0305884L	Intelligence Planning and Review Activities	7			
122 0305889L	Counterdrug Intelligence Support	7			
123 0305898L	Management Headquarters (Auxiliary Forces)	7			
	Operational Systems Development				
Total	Defense Intelligence Agency				

**UNCLASSIFIED**

**Central Imagery Office  
FY 1995 R D T & E Program**

**Appropriation: 0400 D Research Development Test & Eval Defwide**

**Exhibit R-1**

**Date: FEB 1994**

Program Line Element No Number	Item	Thousands of Dollars		
		Act ---	FY 1993	FY 1994
103 03051061C	Consolidated Imagery Activities	7	7	U
104 03051071C	Tactical Imagery Activities	7	7	U
<b>Operational Systems Development</b>		-----	-----	U
<b>Total</b>	<b>Central Imagery Office</b>	-----	-----	U

**Page 0-25**

**UNCLASSIFIED**

**UNCLASSIFIED**

**Defense Logistics Agency**  
**FY 1995 R D T & E Program**

**Appropriation: 0400 D Research Development Test & Eval Defwide**

**Exhibit R-1**

**Date: FEB 1994**

Program Line No	Element Number	Item	Thousands of Dollars			
			Act	FY 1993	FY 1994	FY 1995 C
79	0605120S	Technical Information Service	6	5,657		U
81	0605798S	Defense Support Activities	6	12,917	15,311	15,234 U
82	0605801S	Defense Technical Information Center	6			42,949 U
85	0708011S	Industrial Preparedness	6	1,803	21,850	U
		RDT&E Management Support		20,377	37,161	58,183
		Total Defense Logistics Agency		20,377	37,161	58,183

**UNCLASSIFIED**

**Page D-26**

**UNCLASSIFIED**

**Defense Investigative Service  
FY 1995 R D T & E Program**

**Exhibit R-1**

**Date: FEB 1994**

**Appropriation: 0400 D Research Development Test & Eval Defwide**

Program Line Element No Number	Item	Thousands of Dollars		
		Act ---	FY 1993	FY 1994
105 0305127V	Foreign Counterintelligence Activities	7	----- U	----- U
Operational Systems Development		----- U	----- U	----- U
Total Defense Investigative Service		----- U	----- U	----- U

**UNCLASSIFIED**

**UNCLASSIFIED**

**Uniformed Services University (USUHS)**

**FY 1995 R D T & E Program**

**Exhibit R-1**

**Appropriation: 0400 D Research Development Test & Eval Defwide**

**Date: FEB 1994**

Program Line Element No Number	Item	Thousands of Dollars		
		Act	FY 1993	FY 1994
3 0601101W	In-House Laboratory Independent Research	1	4,118	U
Basic Research			4,118	
<b>Total Uniformed Services University (USUHS)</b>			4,118	

**UNCLASSIFIED**

**Page D-28**

**UNCLASSIFIED**

**Special Operations Command  
FY 1995 R D T & E Program**

**Exhibit R-1**

**Appropriation: 0400 D Research Development Test & Eval Defwide**

**Date: FEB 1994**

Program Line Element No Number	Item	Thousands of Dollars			
		Act	FY 1993	FY 1994	FY 1995 C
124	1160279BB	Small Business Innovative Research/Small Bus Tech	7	1,749	U
125	1160401BB	Transfer Pilot Program			
		Special Operations Technology Development	7	3,655	6,744
126	1160402BB	Special Operations Advanced Technology Development	7	13,286	27,098
127	1160404BB	Special Operations Tactical Systems Development	7	121,025	217,976
128	1160405BB	Special Operations Intelligence Systems Development	7	27,984	6,686
129	1160407BB	SOF Medical Technology Development	7	541	1,310
130	1160408BB	SOF Operational Enhancements	7	67,257	21,513
		Operational Systems Development			
				235,497	281,327
					215,537
<b>Total</b>	<b>Special Operations Command</b>		<b>235,497</b>	<b>281,327</b>	<b>215,537</b>

**UNCLASSIFIED**

**Page D-29**